

1

Number System

$\frac{[(888 \times 888 \times 888) - (222 \times 222 \times 222)]}{[(888 \times 888) + (888 \times 222) + (222 \times 222)]} = ?$

[www.examveda.com]

- (a) 777 (b) 888
(c) 1010 (d) 666

d

$\frac{(52)^2 - (42)^3}{52 \times 52 + 52 \times 42 + 42 \times 42} = ?$ [www.competoid.com]

- (a) 10 (b) 20
(c) -10 (d) -20

Answer: 10

$\sqrt{2}$ is a/an— [www.examveda.com]

- (a) rational number (b) natural number
(c) irrational number (d) integer

c

$(800 \div 64) \times (1296 \div 36) = ?$

- (a) 420 (b) 460
(c) 500 (d) 540

(e) None of these

e

$(AA)^2 = DCBA$, where A, B, C and D are distinct digits with B being odd. Find the value of D. [www.lofoya.com]

- (a) 4 (b) 6
(c) 1 (d) 1 or 4

a

$11 * X = \frac{693}{9}$ [www.examveda.com]

- (a) 3 (b) 5
(c) 7 (d) 9

c

111, 111, 111, 111 is divisible by: [www.examveda.com]

- (a) 3 and 37 only
(b) 3, 11 and 37 only
(c) 3, 11, 37 and 111 only
(d) 3, 11, 37, 111 and 1001

d

-28 as compared to 32 is [www.competoid.com]

- (a) more (b) less
(c) not equal (d) equal

Answer: more

$35 + 15 \times 1.5 = ?$ [www.indiabix.com]

- (a) 85 (b) 51.5
(c) 57.5 (d) 5.25

(e) None of these

c

A number divided by 56 gives 29 as remainder. If the same number is divided by 8, the remainder will be [www.competoid.com]

- (a) 4 (b) 5
(c) 6 (d) 7

Answer: 5

A prime number contains the digit X at unit's place. How many such digits of X are possible? [www.sawaal.com]

- (a) 3 (b) 4
(c) 5 (d) 6

d

Consider the following statements :## If x and y are composite numbers, then x + y is always composite.## There does not exist a natural number which is neither prime nor composite. Which of the above statements is/are correct? [www.examveda.com]

- (a) 1 only (b) 2 only
(c) Both 1 and 2 (d) Neither 1 nor 2

d

Find the remainder when $1234 \times 1235 \times 1237$ is divided by 8. [www.sawaal.com]

- (a) 4 (b) 2
(c) 0 (d) 6

d

If $(236 - 1) = 68a19476735$, where a is any digit, then the value of a is [www.competoid.com]

- (a) 1 (b) 3
(c) 5 (d) 7

Answer: 1

If $1^3 + 2^3 + \dots + 10^3 = 3025$, then the value of $2^3 + 4^3 + \dots + 20^3$ is: [www.examveda.com]

- (a) 7590 (b) 5060
(c) 24200 (d) 12100

c

If m and n are positive integers and (m - n) is an even number, then $(m^2 - n^2)$ will always be divisible by: [www.examveda.com]

- (a) 4 (b) 6
(c) 8 (d) 12

a

If $x + y + z = 0$, then $x^3 + y^3 + z^3$ is equal to: [www.examveda.com]

- (a) 0 (b) $3xyz$
(c) $\frac{xy + yz + zx}{xyz}$ (d) $xyz(xy + yz + zx)$

b

In the sum below, F = 0, and the other letters represent the digits 1, 2, 3, 4, 5 or 6. with

2

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each digit used exactly once and the two digit number AB is a prime number.

AB
CD

EFG

Then the value of $A + 2B$ is

[www.competoid.com]

- (a) 10 (b) 8
(c) 7 (d) 9

Answer: 10

On dividing 50606 by 312, the remainder is 62. The quotient is.

[www.competoid.com]

- (a) 160 (b) 162
(c) 168 (d) 164

Answer: 162

On dividing an individual number by 342, we get 47 as remainder. If the same number is divided by 18, what will be the remainder?

(কোন সংখ্যাকে 342 দ্বারা ভাগ করলে 47 ভাগশেষ থাকে। যদি সেই সংখ্যাটিকে 18 দ্বারা ভাগ করা হয়, তাহলে কত ভাগশেষ থাকবে।) [Exam Taker AUST : Sonali Bank (Officer FF-2019)]

- (a) 19 (b) 15
(c) 13 (d) 11

✓ সমাধান : আমরা জানি, ভাজ্য = ভাজক $\times$ ভাগফল + ভাগশেষ

$$= 342 \times x + 47$$

[ধরি, ভাগফল = x; যেখানে, x = 1, 2, 3, ...]

$$\therefore \text{সংখ্যাটি} = 342x + 47$$

$$\text{সংখ্যাটিকে 18 দ্বারা ভাগ করে পাই} = \frac{342x + 47}{18}$$

$$= \frac{342x}{18} + \frac{47}{18}$$

$$= 19x + \frac{47}{18}$$

$$\therefore \text{নির্ণেয় ভাগশেষ} = 11$$

Square root of a perfect square containing 'n' digits has how many digits? [www.competoid.com]

- (a) $\frac{n+1}{2}$ (b) $\frac{n}{2}$

(c) Either a or b (d) None of these

Answer: Either a or b

The difference between three times and seven times of a number comes to 36. What is the number?

[www.examveda.com]

- (a) 6 (b) 8
(c) 9 (d) 10

The digit in the unit's place of a three digit number is thrice the digit in the ten's place and the digit in the hundreds place is two-third of the digit in ten's place. If the sum of the three digit its of the number is 14, what is the three digit number? [www.competoid.com]

- (a) 932 (b) 239
(c) 326 (d) Cannot be determined

Answer: 239

The fractions $\frac{1}{3}$, $\frac{4}{7}$ and $\frac{2}{5}$ written in ascending order given by— [www.examveda.com]

- (a) $\frac{4}{7} < \frac{1}{3} < \frac{2}{5}$ (b) $\frac{2}{5} < \frac{4}{7} < \frac{1}{3}$
(c) $\frac{1}{3} < \frac{2}{5} < \frac{4}{7}$ (d) $\frac{4}{7} < \frac{1}{3} < \frac{2}{5}$

The number 1, 3, 5, 7..... 99 and 128 are multiplied together. The number of zeros at the end of the product must be— [www.examveda.com]

- (a) 19 (b) 22
(c) 7 (d) Nil

The simplified value of $\frac{(0.0539 - 0.002) \times 0.4 + 0.56 \times 0.07}{0.04 \times 0.25}$ of [www.examveda.com]

- (a) 599.6 (b) 0.5996
(c) 5.996 (d) 59.96

The smallest five digit number which is divisible by 12, 18 and 21 is: [www.examveda.com]

- (a) 10080 (b) 30256
(c) 10224 (d) 50321

Three different containers contain different quantities of a mixture of milk and water. whose measurements are 403 kg, 434 kg and 465 kg. What biggest measure be there to measure all the different quantities exactly? [www.competoid.com]

- (a) 7 kg (b) 1 kg
(c) 31 kg (d) 41 kg

Answer: 31 kg

Three friends, returning from a movie, stopped to eat at a restaurant. After dinner, they paid their bill and noticed a bowl of mints at the front counter. Sita took $\frac{1}{3}$ of the mints, but returned four because she had a monetary pang of guilt. Fatima then took $\frac{1}{4}$

of what was left but returned three for similar reasons. Eswari then took half of the remainder but threw two back into the bowl. The bowl had only 17 mints left when the raid was over. How many mints were originally in the bowl?

[www.examveda.com]

- (a) 38 (b) 31
(c) 41 (d) None of these **(d)**

Three gold coins of weight 780gm, 840gm and 960gm are cut into small pieces, all of which have the equal weight. Each piece must be heavy as possible. If one such piece is shared by two persons, then how many persons are needed to give all the pieces of gold coins?

[www.lofoya.com]

- (a) 86 (b) 70
(c) 43 (d) 35 **(a)**

Three mangoes, four guavas, and five watermelons cost Rs. 750. Ten watermelons, six mangoes and 9 guavas Cost Rs. 1580. What is the cost of six mangoes, ten watermelons and 4 guavas?

[www.examveda.com]

- (a) 1280 (b) 1180
(c) 1080 (d) Can't determined **(b)**

Value of $\sqrt[3]{343} \times \sqrt[3]{-125}$ is

[www.competoid.com]

- (a) 35 (b) -35
(c) $\frac{7}{5}$ (d) $\frac{5}{7}$

Answer: -35

Value of $\left(\frac{2-3}{5}\right) - 2$ is

[www.competoid.com]

- (a) $\frac{1}{1600}$ (b) 1600
(c) $\frac{1}{40}$ (d) 40

Answer: 1600

Value of $\left[(242 + 72)^{\frac{1}{2}}\right]^3$ is

[www.competoid.com]

- (a) 625 (b) 1025
(c) 15625 (d) 10245

Answer: 15625

Value of $(-1) - 13$ is

[www.competoid.com]

- (a) 1 (b) -1
(c) $\left(\frac{1}{13}\right)$ (d) -13

Answer: -1

What decimal of a week is an hour?

[www.examveda.com]

- (a) 0.0059 (b) 0.0062
(c) 0.062 (d) 0.059 **(a)**

What is $0.53 + 0.53$ equal to?

[www.sawaal.com]

- (a) 1.068 (b) 1.072
(c) 1.082 (d) 1.096 **(a)**

What is 170% of 1140?

[www.competoid.com]

- (a) 1938 (b) 1824
(c) 1995 (d) 1881

Answer: 1938

What is 25% of 75% of $\frac{3}{5}$ th of 4240?

[www.competoid.com]

- (a) 595 (b) 424
(c) 348 (d) 477

Answer: 477

What is 27% of 36% of $\frac{5}{9}$ th of 4500?

[www.competoid.com]

- (a) 239 (b) 241
(c) 243 (d) 245

Answer: 243

What is the correct arrangement of the fractions $\frac{5}{8}$, $\frac{7}{12}$, $\frac{13}{16}$, $\frac{16}{29}$ and $\frac{3}{4}$ in ascending order of magnitude.

[www.lofoya.com]

- (a) $\frac{16}{29} < \frac{7}{12} < \frac{5}{8} < \frac{3}{4} < \frac{13}{16}$
(b) $\frac{16}{29} < \frac{7}{12} < \frac{5}{8} < \frac{13}{16} < \frac{3}{4}$
(c) $\frac{7}{12} < \frac{16}{29} < \frac{5}{8} < \frac{13}{16} < \frac{3}{4}$
(d) $\frac{16}{29} < \frac{5}{8} < \frac{7}{12} < \frac{3}{4} < \frac{13}{16}$ **(a)**

What is the quotient when 1359 is divided by 48?

[www.sawaal.com]

- (a) 29 (b) 31
(c) 30 (d) 28 **(d)**

What is the reflection of the point (6, -3) in the line $y = 2$?

[www.sawaal.com]

- (a) (-2, -3) (b) (6, 7)
(c) (-6, 7) (d) (-2, 3) **(b)**

What is the remainder left after dividing $1! + 2! + 3! + \dots + 100!$ by 7?

[www.lofoya.com]

- (a) 0 (b) 5
(c) 14 (d) 21 **(b)**

- ## What is the remainder when $1523 + 2323$ is divided by 19? [www.sawaal.com]
 (a) 4 (b) 3 (c) 1 (d) 0
- ## What least value which should be added to 1812 to make it divisible by 7, 11 and 14? [www.sawaal.com]
 (a) 12 (b) 36 (c) 72 (d) 154
- ## What should be the missing digit so that the number 275_476 becomes exactly divisible by 11? [www.sawaal.com]
 (a) 6 (b) 4 (c) 2 (d) 3
- ## What will be the remainder when 19100 is divided by 20? [www.competoid.com]
 (a) 19 (b) 20 (c) 3 (d) 1
 Answer: 1
- ## What will be the unit digit in the 7^{105} ? [www.examveda.com]
 (a) 5 (b) 7 (c) 9 (d) 1
- ## What will come in the place of the question mark (?) in the following number series? 305, 338, 404, 503, 635, (?) [www.sawaal.com]
 (a) 820 (b) 880 (c) 800 (d) 890
- ## When $\frac{1}{7}$ of a number is subtracted from the number itself, it gives the same value as the sum of all the angles of a triangle. What is the number? [www.competoid.com]
 (a) 224 (b) 210 (c) 140 (d) 350
 Answer: 210
- ## Which one of the following is an irrational number? [www.sawaal.com]
 (a) $\sqrt{59059}$ (b) $\frac{231}{593}$ (c) 0.454545.... (d) 0.121122111222
- ## Which one of the following is not a prime number? [www.examveda.com; www.indiabix.com]
 (a) 31 (b) 61 (c) 71 (d) 91
 (e) None of these
- ## x is five digit number. The digit in ten thousands place is 1. the number formed by its digits in units and ten places is divisible by 4. The sum of all the digits is divisible by 3. If 5 and 7 also divide x, then x will be. [www.examveda.com]
 (a) 14020 (b) 12060 (c) 10020 (d) 10080
- ## $\frac{1}{20} + \frac{1}{30} + \frac{1}{42} + \frac{1}{56} + \frac{1}{72} + \frac{1}{90} + \frac{1}{110} + \frac{1}{132}$ is equal to: [www.examveda.com]
 (a) $\frac{1}{8}$ (b) $\frac{1}{7}$ (c) $\frac{1}{6}$ (d) $\frac{1}{10}$
- ## $\frac{1}{10}$ of a rod is coloured red, $\frac{1}{20}$ orange, $\frac{1}{30}$ yellow, $\frac{1}{40}$ green, $\frac{1}{50}$ blue, $\frac{1}{60}$ black and the rest is violet. If the length of the violet part of the rod is 12.08 mtr, then the length of the rod is— [www.examveda.com]
 (a) 16 m (b) 18 m (c) 20 m (d) 30 m
- ## $(?) + 3699 + 1985 - 2047 = 3111$ [www.indiabix.com]
 (a) 34748 (b) 27474 (c) 30154 (d) 27574
 (e) None of these
- ## $(12)^3 \times 6^4 \times 432^{-1} = ?$ [www.indiabix.com; www.examveda.com]
 (a) 5184 (b) 5060 (c) 5148 (d) 5084
 (e) None of these
- ## $(4300731) - ? = 2535618$ [www.indiabix.com]
 (a) 1865113 (b) 1775123 (c) 1765113 (d) 1675123
 (e) None of these
- ## $(935421 \times 625) = ?$ [www.examveda.com; www.indiabix.com]
 (a) 575648125 (b) 584638125 (c) 584649125 (d) 585628125
- ## $(x^2 - a^2)$ is divisible by $(x - a)$ [www.examveda.com]
 (a) for all values of n (b) only for even values of n (c) only for odd values of n (d) only for prime values of n
- ## $10531 + 4813 - 728 = ? \times 87$ [www.examveda.com]
 (a) 168 (b) 172

- (c) 186 (d) 212
(e) None of these **a**
225 + 440 - 225 is [www.competoid.com]
(a) 10 (b) -10
(c) -100 (d) 100
Answer: -10
$25 - \frac{1}{2} \{5 + 4 - (3 + 2 - 1 + 3)\}$ is equal to [www.competoid.com]
(a) -12 (b) 12
(c) -21 (d) 21
Answer: 21
252 m of pant cloth and 141 m of shirt cloth are available in a cloth store. To stitch one pant and one shirt, $2\frac{1}{2}$ m and $1\frac{3}{4}$ m of cloth are needed respectively. Then the approximate number of pants and shirts that can be made out of it are: [www.examveda.com]
(a) (80, 100) (b) (100, 80)
(c) (100, 90) (d) (90, 80) **b**
$3 + 33 + 333 + 3.33 = ?$ [www.indiabix.com]
(a) 362.3 (b) 372.33
(c) 702.33 (d) 702
(e) None of these **b**
$4500 \times ? = 3375$ [www.indiabix.com]
(a) $\frac{2}{5}$ (b) $\frac{3}{4}$
(c) $\frac{1}{4}$ (d) $\frac{3}{5}$
(e) None of these **b**
476 ** 0 is divisible by both 3 and 11. The non-zero digits in the hundred's and ten's places are respectively: [www.indiabix.com; www.examveda.com; www.sawaal.com]
(a) 7 and 4 (b) 7 and 5
(c) 8 and 5 (d) None of these **c**
64329 is divided by a certain number, 175, 114 and 213 appears as three successive remainders. The divisor is— [www.examveda.com]
(a) 184 (b) 224
(c) 234 (d) 296 **c**
$666 \div 6 \div 3 = ?$ [www.indiabix.com]
(a) 37 (b) 333
(c) 111 (d) 84
(e) None of these **a**
$7589 - ? = 3434$ [www.indiabix.com]
(a) 4242 (b) 4155

- (c) 1123 (d) 11023
(e) None of these **b**
$8597 - ? = 7429 - 4358$ [www.indiabix.com]
(a) 5426 (b) 5706
(c) 5526 (d) 5476
(e) None of these **c**
$8988 \div 8 \div 4 = ?$ [www.indiabix.com]
(a) 4494 (b) 561.75
(c) 2247 (d) 280.875
(e) None of these **d**
$9548 + 7314 = 8362 + (?)$ [www.indiabix.com]
(a) 8230 (b) 8410
(c) 8500 (d) 8600
(e) None of these **c**
$999 \frac{98}{99} \times 99$ is equal to: [www.examveda.com]
(a) 98999 (b) 99899
(c) 99989 (d) 99998 **a**
a and b are real numbers. The relation $\sqrt{ab}$: $\sqrt{a} \cdot \sqrt{b}$ is. [www.competoid.com]
(a) always true
(b) never true
(c) true when a and b are positive
(d) true when either a or b is non negative
Answer: true when a and b are positive
A and B have together three times what B and C have, while A, B, C together have thirty rupees more than that of A. If B has 5 times that of C, then A has: [www.examveda.com]
(a) Rs. 60 (b) Rs. 65
(c) Rs. 75 (d) Rs. 45 **b**
A bank issued credit card numbers and the corresponding PIN (Personal Identification Number). Both are 3-digit numbers up to 996. Pinaki was the last to get the credit card and so he had the last possible credit card number. He was afraid of forgetting his PIN. He wrote down the number 123 in his diary to remember his PIN. He also wrote out the way to calculate 123 : "Multiply the card number by PIN. Divide the product by 997. The remainder is 123". Once, Prafull saw his diary in which Pinaki wrote this number 123. Prafull did a lot of purchasing, as he now knows Pinaki's PIN. What is Pinaki's PIN? [www.lofoya.com]
(a) 874 (b) 875
(c) 876 (d) 877 **a**

- ## A boy appeared in CAT for four consecutive year years, but coincidentally each time his net score was 75. He told me that there was $\frac{1}{3}$

rd negative marking for every wrong answer and 1 mark was allotted for every correct answer. He has attempted all the questions every year, but certainly some answers have been wrong due conceptual problem. Which is not the total number of questions asked for CAT in any year, in that period?

[www.examveda.com]

- (a) 231 (b) 163
(c) 150 (d) 123
(e) None of these

(c)

- ## A certain number of the capsule were purchased for Rs. 176. Six more capsule could have been purchased in the same amount if each capsule were cheaper by Rs. 3. What was the number of capsules purchased?

[www.examveda.com]

- (a) 13 (b) 16
(c) 17 (d) 8
(e) 11

(b)

- ## A forester wants to plant 44 apples tree, 66 banana trees and 110 mango trees in equal rows (in terms of number of trees). Also, he wants to make distinct rows of tree (i.e. only one type of tree in one row). The number of rows (minimum) that required is:

[www.examveda.com]

- (a) 2 (b) 3
(c) 10 (d) 11
(e) None of these

(c)

- ## A fraction becomes 4 when 1 is added to both the numerator and denominator and it becomes 7 when 1 is subtracted from both the numerator and denominator. The numerator of the given fraction is

[www.competoid.com]

- (a) 2 (b) 3
(c) 7 (d) 15

Answer: 15

- ## A girl was asked to multiply a number by $\frac{7}{8}$, instead she divided the number by $\frac{7}{8}$ and got the result 15 more than the correct result.

The sum of the digits of the number was—
[www.examveda.com]

- (a) 4 (b) 8
(c) 6 (d) 11

(d)

- ## A magazine publisher publishes a monthly magazine of 84 pages. One I found that in a magazine 4 pages was missing. One out of them was page number 29 it is known that the page number of the last page of the magazine is 84, (including the cover pages). The numbers printed on the missing pages were:

[www.examveda.com]

- (a) 29, 52, 53 (b) 30, 55, 56
(c) 28, 52, 53 (d) Cannot determined
(e) None of these

(b)

- ## A man ate 100 grapes in 5 days. Each day he ate 6 more grapes than those he ate on the earlier day. How many grapes did he eat on the first day?

[www.examveda.com]

- (a) 8 (b) 12
(c) 54 (d) 76

(a)

- ## A man sells chocolates which are in the boxes. Only either full box or half a box of chocolates can be purchased from him. A customer comes and buys half the number of boxes which the seller had plus half box more. A second customer comes and purchases half the remaining number of boxes plus half a box. After this the seller is left with no chocolate boxes. How many chocolate boxes the seller had initially?

[www.examveda.com]

- (a) 2 (b) 3
(c) 4 (d) 3.5
(e) None of these

(b)

- ## A naughty boy Amrit watches a Sachin Tendulkar inning and acts according to number of runs he sees Sachin scoring. The details are:##run – place one orange in the basket##runs – place one mango in basket##runs – place a pear in the basket##runs – remove a pear and a mango from the basket

One fine day, at the start of the match, the basket is empty. The sequence of runs scored by Sachin in that inning are given as 11232411234232341121314. At the end of the above inning, how many more oranges were there compared to mangoes inside the

- basket? (The Basket was empty initially).
[www.examveda.com]
- (a) 4 (b) 5
(c) 6 (d) 7 **(c)**
- ## A number consists of two digits. If the number formed by interchange the digits is added to the original number, the resulting number (i.e., the sum) must be divisible by—
[www.examveda.com]
- (a) 11 (b) 9
(c) 5 (d) 3 **(a)**
- ## A number exceeds its $\frac{1}{6}$ by 30. What is the number?
[www.sawaal.com]
- (a) 120 (b) 150
(c) 36 (d) 24 **(c)**
- ## A number exceeds its two fifth by 75. The number is:
[www.examveda.com]
- (a) 125 (b) 100
(c) 112 (d) 150 **(a)**
- ## A number of boys raised Rs. 400 for a famine relief fund, each boy giving as many 25 paise coins as there were boys. The number of boys was—
[www.examveda.com]
- (a) 40 (b) 16
(c) 20 (d) 100 **(a)**
- ## A number was divided successively in order by 4, 5 and 6. The remainders were respectively 2, 3 and 4. The number is:
[www.indiabix.com]
- (a) 214 (b) 476
(c) 954 (d) 1908 **(a)**
- ## A number when 35 is subtracted from it is reduced in value by 20%. What is four fifth of that number.
[www.competoid.com]
- (a) 70 (b) 80
(c) 90 (d) 140
Answer: 140
- ## A number when divide by 6 leaves a remainder 3. When the square of the number is divided by 6, the remainder is:
[www.indiabix.com]
- (a) 0 (b) 1
(c) 2 (d) 3 **(d)**
- ## A number when divided by 729 given a remainder of 56. What will we get as remainder if the same number is divided by 27?
[www.examveda.com]
- (a) 4 (b) 2
(c) 0 (d) 1 **(b)**
- ## A number when subtracted by $\frac{1}{7}$ of itself gives the same value as the sum of all the angles of a triangle. What is the number ?
[www.competoid.com]
- (a) 224 (b) 210
(c) 140 (d) 350
Answer: 210
- ## A number which divided by 192 gives a remainder of 54. What remainder would be obtained on dividing the same number by 16?
[www.examveda.com]
- (a) 2 (b) 4
(c) 6 (d) 8 **(c)**
- ## A number x when divided by 289 leave 18 as the remainder. The same number when divided by 17 leaves y as a remainder. the value of y is:
[www.examveda.com]
- (a) 5 (b) 2
(c) 3 (d) 1 **(d)**
- ## A perfect cube is an integer whose cube root is an integer. For example, 27, 64 and 125 are perfect cubes. If p and q are perfect cubes, which of the following will not necessarily be a perfect cube? [www.sawaal.com]
- (a) 8p (b) pq
(c) pq+27 (d) -p **(c)**
- ## A person gives $\frac{1}{4}$ of his property to his daughter, $\frac{1}{2}$ to his sons and $\frac{1}{5}$ for charity. How much has he given away?
[www.examveda.com]
- (a) $\frac{1}{20}$ (b) $\frac{19}{20}$
(c) $\frac{1}{10}$ (d) $\frac{9}{10}$ **(b)**
- ## A person uses the base x for his number system, where $x \leq 10$. A student had to add two-digit numbers. None of the digits was 0. By oversight, he reversed the digits of both the numbers and added them. He later found that the difference between his answer and the correct answer was \$(84)_{10}\$. If this value is the maximum possible for x, then what is the value of x.
[www.lofoya.com]
- (a) 6 (b) 7

- (c) 8 (d) 9 (c)
A positive integer when divided by 425 gives a remainder 45. When the same number is divided by 17, the remainder will be: [www.examveda.com]
 (a) 7 (b) 8
 (c) 11 (d) 10 (c)
- ##** A set has exactly five consecutive positive integers starting with 1. What is the percentage decrease in the average of the numbers when the greatest one of the numbers is removed from the set? [www.lofoya.com]
 (a) 8.54 (b) 12.56
 (c) 15.25 (d) 16.66 (d)
- ##** A set of S consists of, (i) All odd numbers from 1 to 55. (ii) All even numbers from 56 to 150. What is the index of the highest power of 3 in the product of all the elements of the set S? [www.lofoya.com]
 (a) 35 (b) 48
 (c) 6 (d) 36 (a)
- ##** A square root radical is in simplest form, if [www.competoid.com]
 (a) there is no fraction in the radicand
 (b) no perfect square is factor of radicand
 (c) there is no radical in the denominator
 (d) all of these (d)
- ##** A straight fence is to be constructed from posts 6 inches wide and separated by lengths of chain 5 feet long. If a certain fence begins and ends with a post, which of the following could be the length of the fence in feet? (12 inches = 1 foot). [www.sawaal.com]
 (a) 17 (b) 18
 (c) 19 (d) 20 (a)
- ##** A teacher multiplies 987 by a certain number and obtains 556781 as her answer. If in the answer, both 6 and 7 are wrong but the other digits are correct, then the correct answer will be [www.sawaal.com]
 (a) 553681 (b) 555181
 (c) 556581 (d) 555681 (d)
- ##** A teacher wants to arrange his students in an equal number of rows and columns. If there are 1369 students, the number of students in last row are: [www.examveda.com]
 (a) 37 (b) 33
- (c) 63 (d) 47 (a)
A thief steals half the total number of loaves of bread plus $\frac{1}{2}$ loaf from a bakery. A second thief steals half the remaining number of loaves plus $\frac{1}{2}$ loaf and so on. After the 5th thief has stolen there are no more loaves left in the bakery. What was the total number of loaves did the bakery have at the beginning? [www.sawaal.com]
 (a) 21 (b) 11
 (c) 17 (d) 31 (d)
- ##** A, B and C start at the same time in the same direction to run around a circular stadium. A completes a round in 252 seconds, B in 308 seconds and C in 198 seconds, all starting at the same point. After what time will they again at the starting point? [www.examveda.com]
 (a) 36 minutes 22 seconds
 (b) 46 minutes 22 seconds
 (c) 36 minutes 12 seconds
 (d) 46 minutes 12 seconds (d)
- ##** a, b, c, d and e are five consecutive even numbers. If the sum of 'a' and 'd' is 162. what is the Sum of all the numbers? [www.competoid.com]
 (a) 400 (b) 380
 (c) 420 (d) None of these
- Answer: None of these
- ##** About 4 out of 5 students are left handed. If there are totally 40 students in a class. How many would be left handed? [www.sawaal.com]
 (a) 40 (b) 45
 (c) 32 (d) 30 (c)
- ##** After being set up, a company manufactured 6000 scooters in the third year and 7000 scooters in the seventh year. Assuming that the production increases uniformly by a fixed number every year, what is the production in the tenth year? [www.competoid.com]
 (a) 7850 (b) 7650
 (c) 7750 (d) 7950
- Answer: 7750
- ##** Amit, Sucheta and Neeti start running around a circular track and complete one round in 18, 24 and 32 seconds respectively. In how many seconds will the three meet

again at the starting point if they all have started running at the same time ?

[www.competoid.com]

- (a) 196 sec. (b) 288 sec.
(c) 324 sec. (d) Cannot be determined

Answer: 288 sec.

Amitabh picks a random integer between 1 and 999, doubles it and gives the result to Sashi. Each time Sashi gets a number from Amitabh, he adds 50 to the number, and gives the result back to Amitabh, who doubles the number again. The first person, whose result is more than 1000, loses the game. Let 'X' be the smallest initial number that results in a win for Amitabh. The sum of the digit of 'X' is:

[www.examveda.com]

- (a) 3 (b) 5
(c) 7 (d) 9
(e) None of these

Amit's present age is three times Pratibha's present age and nine-thirteenth of his father's present age. The sum of the present age of all of them is 150 years. What is the difference between Pratibha's present age and Amit's father's present age ?

[www.competoid.com]

- (a) 56 years (b) 64 years
(c) 60 years (d) Cannot be determined

Answer: 60 years

An Army Commander wishing to draw up his 5180 men in the form of a solid square found that he had 4 men less. If he could get four more men and form the solid Square, the number of men in the front row is

[www.competoid.com]

- (a) 72 (b) 68
(c) 78 (d) 82

Answer: 72

Arrangement of the fractions into ascending order:

$$\frac{4}{3}, -\frac{2}{9}, -\frac{7}{8}, \frac{5}{12}$$

[www.examveda.com]

- (a) $-\frac{2}{9}, -\frac{7}{8}, \frac{4}{3}, \frac{5}{12}$ (b) $-\frac{7}{8}, -\frac{2}{9}, \frac{5}{12}, \frac{4}{3}$
(c) $-\frac{7}{8}, -\frac{2}{9}, \frac{4}{3}, \frac{5}{12}$ (d) $-\frac{2}{9}, -\frac{7}{8}, \frac{5}{12}, \frac{4}{3}$

(b)

Arun has certain number of books. It is not less than 15 and not more than 30. If he wants to give these books equally to 2 of his

friends, then 1 book will remain. If he wants to give these books equally to 3 of his friends, then 2 books will remain. If he wants to give these books equally to 4 of his friends, then 3 books will remain. What is the number of books he had ?

[www.sawaal.com]

- (a) 19 (b) 23
(c) 17 (d) 15

(b)

At a dinner party every two guests used a bowl of rice between them, every three guests used a bowl of dal between them and every four used a bowl of meat between them. There were altogether 65 dishes. How many guests were present at the party ?

[www.sawaal.com]

- (a) 60 (b) 74
(c) 82 (d) 58

(a)

At the first stop on his route, a driver unloaded $\frac{2}{5}$ of the packages in his van. After unloaded another three packages at his next stop, $\frac{1}{2}$ of the original number of packages remained. How many packages were in the van before the first delivery?

[www.competoid.com]

- (a) 25 (b) 10
(c) 30 (d) 36

Answer: 30

Between two distinct rational numbers a and b, there exists another rational number which is:

[www.examveda.com]

- (a) $\frac{a}{2}$ (b) $\frac{b}{2}$
(c) $\frac{ab}{2}$ (d) $\frac{a+b}{2}$

(d)

By Goldbach's conjecture, every even number greater than 4 can be expressed as a sum of

[www.competoid.com]

- (a) two even numbers
(b) two odd prime numbers
(c) two composite numbers
(d) two co-prime numbers

Answer: two odd prime numbers

By how much is $\frac{1}{4}$ th of 428 smaller than $\frac{5}{6}$ th of 216?

[www.competoid.com]

- (a) 61 (b) 67
(c) 73 (d) 79

Answer: 73

By how much is $\frac{3}{4}$ th of 568 lesser than $\frac{7}{8}$ the of 1008?

[www.competoid.com]

- (a) 444 (b) 448
(c) 452 (d) 456

Answer: 456

By how much is $\frac{3}{4}$ th of 968 less than $\frac{7}{8}$ th of 1008?

[www.competoid.com]

- (a) 154 (b) 146
(c) 165 (d) None of these

Answer: None of these

By how much of two thirds of 57 is more than one third of 90.

[www.competoid.com]

- (a) 8 (b) 38
(c) 30 (d) 28

Answer: 8

By what least number should 1200 be multiplied so that it becomes a perfect square?

[www.sawaal.com]

- (a) 2 (b) 3
(c) 4 (d) 5

By which least number should 5000 be divided so that it becomes a perfect square?

[www.sawaal.com]

- (a) 2 (b) 5
(c) 10 (d) 15

By which number should 0.022 be multiplied so that product become 66?

[www.examveda.com]

- (a) 3000 (b) 3200
(c) 4000 (d) 3600

Consider the multiplication $999 \times abc = def132$ in decimal notation, where a, b, c, d, e and f are digits. What are the values of a, b, c, d, e and f respectively?

[www.sawaal.com]

- (a) 6, 6, 8, 6, 8, 7 (b) 8, 6, 8, 6, 7, 8
(c) 6, 8, 8, 7, 8, 6 (d) 8, 6, 8, 8, 6, 7

Consider the following statements for the sequence of numbers given below :

11, 111, 1111, 11111, ...##Each number can be expressed in the form $(4m + 3)$, where m is a natural number.##Some numbers are squares.

Which of the above statements is/are correct?

[www.examveda.com]

- (a) 1 only (b) 2 only

(c) Both 1 and 2 (d) Neither 1 nor 2

Consider the following statements in respect of two integers p and q (both > 1) which are relatively prime:

[www.sawaal.com]

- (a) 1 and 2 only (b) 2 and 3 only
(c) 1 and 3 only (d) 1, 2 and 3

Find the average of all prime numbers between 20 and 50.

[www.sawaal.com]

- (a) 35.857 (b) 35.657
(c) 34.857 (d) 36.657

Find the face value of 6 in 652410.

[www.competoid.com]

- (a) 6×105 (b) 6×104
(c) 6000 (d) 6

Answer: 6

Find the LCM and HCF of 2.5, 0.5 and 0.175.

[www.examveda.com]

- (a) 2.5 (b) 5
(c) 7.5 (d) 17.5

Find the least number of five digits which is divisible by 333?

[www.examveda.com]

- (a) 10328 (b) 10323
(c) 10333 (d) 10332

Find the maximum number of girls, among whom 2923 bags and 3239 eyeliner can be distributed in such a way that each girl gets the same number of bags and eyeliner.

[www.competoid.com]

- (a) 80 (b) 79
(c) 78 (d) 81

Answer: 79

Find the regular polygon whose interior angle is 150 more than exterior angle. note the total sum of interior and exterior angle should be 180 at one point ?

[www.sawaal.com]

- (a) 12 (b) 24
(c) 36 (d) 6

Find the remainder when 3^{164} is divided by 162?

[www.lofoya.com]

- (a) 0 (b) 9
(c) 11 (d) 81

Find the remainder when 54^{124} is divided by 17.

[www.examveda.com]

- (a) 8 (b) 13
(c) 16 (d) 9

Find the remainder when 65^{203} is divided by 7.

[www.examveda.com]

- (a) 4 (b) 2
(c) 1 (d) 6 **C**
Find the remainder when 67^{107} is divided by 7.

[www.examveda.com]

- (a) 4 (b) 2
(c) 1 (d) 6 **C**
Find the remainder when 67^{99} is divided by 7.

[www.examveda.com]

- (a) 4 (d) 6
(c) 1 (d) 2 **C**
Find the remainder when $73 \times 75 \times 78 \times 57 \times 197 \times 37$ is divided by 34.

[www.examveda.com]

- (a) 32 (b) 30
(c) 15 (d) 28 **A**
Find the remainder when first 1000 digits of the number P are divided by 16?

[www.lofoya.com]

- (a) 7 (b) 9
(c) 11 (d) 13 **D**
Find the square root of $\frac{(0.064 - 0.008)(0.16 - 0.04)}{(0.016 + 0.08 + 0.04)(0.4 + 0.2)^3}$

[www.examveda.com]

- (a) $\frac{2}{3}$ (b) $\frac{1}{3}$
(c) 3 (d) $\frac{3}{2}$ **B**

- ## Find the sum of all positive multiples of 3 less than 50:

[www.examveda.com]

- (a) 400 (b) 404
(c) 408 (d) 412 **C**

- ## Find the sum of all positive multiples of 5 less than 100.

[www.examveda.com]

- (a) 925 (b) 960
(c) 950 (d) 990 **C**

- ## Find the sum of place and face values of 8 in 43836.

[www.competoid.com]

- (a) 88 (b) 808
(c) 880 (d) 888

Answer: 808

- ## Find the sum of the face values of 9 and 6 in 907364

[www.competoid.com]

- (a) 15 (b) 20
(c) 9 (d) 18

Answer: 15

- ## Find the sum of the digits of the least natural number P, such that the sum of the cubes of the four smallest distinct divisors of P equals 2P.

[www.lofoya.com]

- (a) 7 (b) 8
(c) 9 (d) 10 **C**

- ## Find the value of $\frac{1}{5} + 999\frac{494}{495} \times 99 = ?$

[www.examveda.com]

- (a) 90000 (b) 99000
(c) 90900 (d) 99990 **B**

- ## Find the whole number which when increased by 20 is equal to one-sixth times the new number

[www.competoid.com]

- (a) 7 (b) 5
(c) 3 (d) 4

Answer: 4

- ## For any positive integer $\sqrt[3]{-n}$ equals

[www.competoid.com]

- (a) $-n^3$ (b) $-n^{\frac{1}{3}}$
(c) $n - \frac{1}{3}$ (d) $-\sqrt[3]{n}$

Answer: $n - \sqrt[3]{-3n-3}$

- ## For numbers a and b, define * as $a * b = (a + b) \div (a - b)$. Then the value of $(1 * 2) * 3$ is

[www.competoid.com]

- (a) $-\frac{2}{3}$ (b) $-\frac{1}{5}$
(c) 0 (d) $\frac{1}{2}$

Answer: 0

- ## For what value of X, 211X will be a perfect square?

[www.sawaal.com]

- (a) 4 (b) 5
(c) 6 (d) 9 **C**

- ## For what value of x, $33x - 5 = \frac{1}{9x} ?$

[www.competoid.com]

- (a) 1 (b) 3
(c) 5 (d) 9

Answer: 1

- ## Four of the following five parts numbered 1, 2, 3, 4 and 5 are equal. Which of the following is not equal to the other four?

[www.competoid.com]

- (a) $242 - 122 + 112 \div 14 =$

12

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(b) $17 \times 12 + 59 \times 4 =$

(c) $15 \times 28 + 20 =$

(d) $27 \times 16 + 56 \div 8 =$

Answer: $27 \times 16 + 56 \div 8 = 27 \times 16 + 56 \div 8 =$

Given that the polynomial $(x^2 + ax + b)$ leaves that same remainder when by $(x - 1)$ or $(x + 1)$ What are the values of a and b respectively? [www.sawaal.com]

(a) 4 and 0 (b) 0 and 3

(c) 3 and 0 (d) 0 and any interger (d)

Given that, three numbers are such that the second number is twice the first and thrice the third. Also the average of the three numbers is 44. then the difference of the first and the third is: [www.examveda.com]

(a) 10 (b) 11

(c) 12 (d) 13 (c)

Given the numbers : 25555, 33333, 62222. These can be written in ascending order as [www.competoid.com]

(a) 25555, 33333, 62222

(b) 33333, 25555, 62222

(c) 25555, 62222, 33333

(d) 62222, 25555, 33333

Given, $N = 98765432109876543210$ up to 1000 digits, find the smallest natural number n such that $N + n$ is divisible by 11. [www.examveda.com]

(a) 2 (b) 3

(c) 4 (d) 5 (d)

Half way through the journey from Delhi to Lahore Atalji began to look out of the window of the Samjhauta Express and continued it until the distance which was remained to cover was half of what he has covered. Now at this time how much distance he has to cover? [www.examveda.com]

(a) $\frac{2}{2}$ (b) $\frac{1}{4}$

(c) $\frac{1}{3}$ (d) $\frac{1}{6}$ (c)

HCF of two numbers each of 4 digits is 103 and their LCM is 19261. Sum of the numbers is [www.competoid.com]

(a) 2884 (b) 2488

(c) 4288 (d) 4882

Answer: 2884

How many $\frac{1}{6}$ of together make $41\frac{2}{3}$? [www.examveda.com]

(a) 125 (b) 150

(c) 250 (d) 350 (c)

How many digits will be there to the right of the decimal point in the product of 85.44 and .08455 ? [www.sawaal.com]

(a) 7 (b) 5

(c) 4 (d) 6 (d)

How many five digit multiples of 11 are there, if the five digits are 3, 4, 5, 6 and 7? Repetition of digits is now allowed? [www.lofoya.com]

(a) 10 (b) 11

(c) 12 (d) 13 (c)

How many natural numbers are there between 23 and 100 which are exactly divisible by 6? [www.indiabix.com]

(a) 8 (b) 11

(c) 12 (d) 13

(e) None of these (d)

How many natural numbers are there lying between 134 and 467 which are divisible by 7 ? [www.competoid.com]

(a) 46 (b) 47

(c) 49 (d) 51

Answer: 47

How many natural numbers below 660 are divisible by 5 and 11 but not by 3? [www.lofoya.com]

(a) 8 (b) 9

(c) 10 (d) 11 (a)

How many number between 1000 and 5000 are exactly divisible by 225? [www.examveda.com]

(a) 16 (b) 18

(c) 19 (d) 12 (b)

How many numbers are there from 700 to 950 (including both) which are neither divisible by 3 nor by 7? [www.sawaal.com]

(a) 107 (b) 141

(c) 144 (d) 145 (c)

How many numbers between - 11 and 11 are multiples of 2 or 3? [www.competoid.com]

(a) 11 (b) 14

(c) 15 (d) None of these

Answer: 14

How many numbers divisible by 125 can be written by using all the digits 2,3,8,7,5 exactly once? [www.sawaal.com]

- (a) 4 (b) 5
(c) 6 (d) 7 **a**

How many numbers will be left out of the numbers 1 to 40, if all numbers exactly divisible by 4 and having 4 as one of the digits are removed. [www.competoid.com]

- (a) 30 (b) 26
(c) 27 (d) None of these

Answer: None of these

How many numbers will be there between 300 and 500, where 4 comes only one time? [www.examveda.com]

- (a) 89 (b) 99
(c) 110 (d) 120 **b**

How many numbers with distinct digits are possible product of whose digits is 18? [www.sawaal.com]

- (a) 12 (b) 8
(c) 6 (d) 4 **b**

How many pairs (A, B) are possible in the number 479865AB if the number is divisible by 9 and it is given that the last digit of the number is odd? [www.sawaal.com]

- (a) 5 (b) 6
(c) 9 (d) 11 **a**

How many pairs of natural numbers is there the difference of whose squares are 45. [www.examveda.com]

- (a) 1 (b) 2
(c) 3 (d) 4 **c**

How many prime numbers are there between 100 to 200? [www.examveda.com]

- (a) 21 (b) 20
(c) 16 (d) 11 **a**

How many prime numbers exist in $65 \times 359 \times 113$? [www.sawaal.com]

- (a) 29 (b) 31
(c) 33 (d) 27 **b**

How many rational numbers are there between 1 and 1000? [www.competoid.com]

- (a) 998 (b) 999
(c) 1000 (d) Infinite

Answer: Infinite

How many remainders are possible if $16n$ is divided by 9 for any positive integral value of n ? [www.sawaal.com]

- (a) 1 (b) 2
(c) 3 (d) 4 **c**

How many terms are in the G.P. 3, 6, 12, 24, ..., 384? [www.indiabix.com; www.sawaal.com]

- (a) 8 (b) 9
(c) 10 (d) 11 **a**

How many three digit numbers can be formed using the digits 1,2,3,4,5,6,7 and 8 without repeating the digits and such that the tens digit is greater than the hundreds digit and less than the units digit? [www.lofoya.com]

- (a) 48 (b) 56
(c) 64 (d) 72 **b**

IBM-Daksh observes that it gets a call at an interval of very 10 minutes from Seattle, at every 12 minutes from Arizonia, at the interval of 20 minutes from New York and after every 25 minutes it gets the call from Newark. If in the early morning at 5:00 a.m. it has received the calls simultaneously from all the four destinations, then at which time it will receive the calls at a time from all places on the same day? [www.lofoya.com]

- (a) 10:00 am (b) 3:00 am
(c) 5:00 am (d) Both (A) and (B) **a**

If $\frac{x}{y}$ is an integer, which of the following statements need NOT always be true? [www.sawaal.com]

- (a) both x and y are integers
(b) only x is a integer
(c) both are negative
(d) none **a**

If $\frac{1}{a} + \frac{1}{b} + \frac{1}{c} = \frac{1}{(a+b+c)}$ where $a + b + c$ not equals '0', abc not equals '0', What is the value of $(a+b)(b+c)(a+c)$? [www.sawaal.com]

- (a) 3 (b) 2
(c) 1 (d) 0 **d**

If $\frac{51.84}{4.32} = 12$, then the value of $\frac{0.005184}{0.432}$ is: [www.examveda.com]

- (a) 0.12 (b) 0.012
(c) 0.0012 (d) 1.2 **b**

If $\frac{x}{y}$ is an integer, which of the following statements need NOT always be true? [www.sawaal.com]

- (a) both x and y are integers (b) only x is a integer
(c) both are negative (d) none **a**

If $\frac{3}{4}$ of a number is 7 more than $\frac{1}{6}$ of the number then $\frac{5}{3}$ of the number is: [www.examveda.com]

- (a) 12 (b) 18
(c) 15 (d) 20 **d**

If $\frac{4}{5}$ of an estate be worth Rs. 16800, then the value of $\frac{3}{7}$ of it is— [www.examveda.com]

- (a) Rs. 90000 (b) Rs. 9000
(c) Rs. 72000 (d) Rs. 21000 **b**

If 1 is added to the both the numerator and the denominator of a fraction, it becomes $\frac{1}{4}$. If 2 is added to both the numerator and the denominator of that fraction it becomes $\frac{1}{3}$.

The sum of the numerator and the denominator and the denominator of the fraction is— [www.examveda.com]

- (a) 8 (b) 13
(c) 22 (d) 27 **a**

If $1400 \times x = 1050$. Then, $x = ?$ [www.indiabix.com]

- (a) $\frac{1}{4}$ (b) $\frac{3}{5}$
(c) $\frac{2}{3}$ (d) $\frac{3}{4}$

(e) None of these **d**

If $146!$ is divisible by 5^n , and then find the maximum value of n. [www.examveda.com]

- (a) 34 (b) 35
(c) 36 (d) 37

(e) Cannot be said **b**

If 15% of 40 is greater than 25% of a number by 2, then the number is [www.competoid.com]

- (a) 16 (b) 2
(c) 24 (d) 32

Answer: 16

If 20% of a number is 12, the number is. [www.competoid.com]

- (a) 40 (b) 54
(c) 60 (d) 48

Answer: 60

If $22x - 5 = \frac{1}{8}$, then the value of x is [www.competoid.com]

- (a) 1 (b) 2
(c) 3 (d) 4

Answer: 1

If $4x^2 - 12x + k$ is a perfect square, then the value of k is? [www.examveda.com]

- (a) 2 (b) 9
(c) 12 (d) 10 **b**

If 6 years are subtracted from the present age of Randheer and the remaining is divided by 18, then the present age of his grandson Anup is obtained. If Anup is 2 year younger to Mahesh whose age is 5 years, what is the age of Randheer? [www.competoid.com]

- (a) 84 years (b) 48 years
(c) 60 years (d) 96 years

Answer: 60 years

If 60% of $\frac{3}{5}$ of a number is 36, then the number is [www.indiabix.com; www.sawaal.com]

- (a) 86 (b) 94
(c) 100 (d) 115 **c**

If $a = (0.4)^2$, $b = 0.04$ and $c = \frac{2}{5}$, then the correct relationship among the three is: [www.examveda.com]

- (a) $b > a > c$ (b) $a > b > c$
(c) $a > c > b$ (d) $c > a > b$ **d**

If $a = 4011$ and $b = 3989$, then value of $ab = ?$ [www.examveda.com]

- (a) 15999879 (b) 15899879
(c) 15989979 (d) 15998879 **a**

If a and b are positive integers, $a > b$ and $(a + b)^2 - (a - b)^2 > 29$. Then the smallest value of a is— [www.examveda.com]

- (a) 3 (b) 4
(c) 6 (d) 7 **b**

If a and b are positive integers, and $x = 2 \times 3 \times 7 \times a$, and $y = 2 \times 2 \times 8 \times b$, and the values of both x and y lie between 120 and 130 (not including the two), then $a - b =$ [www.lofoya.com]

- (a) -2 (b) -1
(c) 1 (d) 2 **(b)**
- ## If a and b are two distinct natural numbers, which one of the following is true? [www.examveda.com]
(a) $\sqrt{a+b} > \sqrt{a} + \sqrt{b}$ (b) $\sqrt{a+b} = \sqrt{a} + \sqrt{b}$
(c) $\sqrt{a+b} < \sqrt{a} + \sqrt{b}$ (d) $ab = 1$ **(c)**
- ## If a and b are two whole numbers, then a-b = c will be a whole number if [www.competoid.com]
(a) $a < b$ (b) $a > b$
(c) $a = b$ (d) both (b) and (c)
Answer: both (b) and (c)
- ## If A is rational and B is irrational then AB is. [www.competoid.com]
(a) rational (b) irrational
(c) an integer (d) real
Answer: irrational
- ## If a number is divided by the other number, the division is $\frac{3}{5}$, if their difference is 28, what is the bigger number of the two? [www.competoid.com]
(a) 35 (b) 140
(c) 70 (d) -42
Answer: -42
- ## If a number of two digits is k times the sum of its digits, then the number formed by interchanging the digits is the sum of the digits multiplied by: [www.competoid.com]
(a) $9 + k$ (b) $10 + k$
(c) $11 - k$ (d) $k - 1$
Answer: $11 - k$
- ## If a person makes a row of toys of 20 each, there would be 15 toys left. If they made to stand in rows of 25 each, there would be 20 toys left, if they made to stand in rows of 38 each, there would be 33 toys left and if they are made to stand in rows of 40 each, there would be 35 toys left. What is the minimum number of toys the person have? [www.lofoya.com]
(a) 1,255 (b) 3,805
(c) 7,595 (d) 3,795 **(d)**
- ## If a positive integer n, divided by 5 has a remainder 2, which of the following must be true? [www.sawaal.com]
(a) n is odd
(b) $n + 1$ cannot be a prime number
(c) $(n + 2)$ divided by 7 has remainder 2

- (d) $n + 3$ is divisible by 5
- ## If $a^2 = 12$, then $a^4 = ?$ [www.sawaal.com]
(a) 144 (b) 72
(c) 36 (d) 24 **(a)**
- ## If $a^3 = b^3 + c^3 + d^3$, then least value of 'a' is [www.competoid.com]
(a) 3 (b) 6
(c) 9 (d) 12
Answer: 6
- ## If A381 is divisible by 11, find the value of the smallest natural number A? [www.examveda.com]
(a) 5 (b) 6
(c) 7 (d) 9
(e) None of these **(c)**
- ## If b is the largest square divisor of c and a^2 divides c, then which one of the following is correct? (where, a, b and c are integers) [www.competoid.com]
(a) b divides a (b) a does not divide b
(c) a divides b (d) a and b are coprime
Answer: a divides b
- ## If each of the three nonzero numbers a, b and c is divisible by 3, then abc must be divisible by which one of the following the numbers? [www.lofoya.com]
(a) 8 (b) 27
(c) 81 (d) 121 **(b)**
- ## If in a three digits number the last two digits places are interchanged a new number is formed which is greater than the original number by 45. What is the difference between the last two digits of that number? [www.examveda.com]
(a) 9 (b) 8
(c) 6 (d) 5 **(d)**
- ## If in the following set of numbers, the first and the third digits are interchanged in each number, which number will be second from the end if arranged in ascending order after interchanging the digits? [www.sawaal.com]
(a) 404 (b) 585
(c) 415 (d) 602 **(c)**
- ## If $k \neq 0$ and $k \neq 1$, then which of the following cannot be true? [www.competoid.com]
(a) $k^2 > k$ (b) $k^2 < k$
(c) $k^2 = k$ (d) Both b and c
Answer: $k^2 = k$

16

PHENOM PUBLICATIONS

If n is a natural number and $n = p_1^{x_1} p_2^{x_2} p_3^{x_3}$ where p_1, p_2, p_3 are distinct prime factors, then the number of prime factors for n is:

[www.examveda.com]

- (a) $x_1 + x_2 + x_3$ (b) $x_1 \times x_2 \times x_3$
(c) $(x_1 + 1)(x_2 + 1)(x_3 + 1)$ (d) None of these

(b)

If n is a natural number, then $(6n^2 + 6n)$ is always divisible by:

[www.indiabix.com]

- (a) 6 only (b) 6 and 12 both
(c) 12 only (d) by 18 only

(b)

If n is an integer, how many values of n will give an integral value of

[www.examveda.com]

- (a) 2 (b) 3
(c) 4 (d) None of these

(c)

If number 'b' is a factor of a number 'a', then 'a' divided by 'b' gives the remainder

[www.competoid.com]

- (a) any number greater than zero
(b) any number less than zero
(c) zero
(d) one

Answer: zero

If $p = -0.12$, $q = -0.01$ and $r = -0.015$, then the correct relationship among the three is:

[www.examveda.com]

- (a) $p < r < q$ (b) $p > r > q$
(c) $p < q < r$ (d) $q > p > r$

(a)

If p is an integer and p^2 is divisible by 3, then p is divisible by 3. This statement is.

[www.competoid.com]

- (a) always true (b) never true
(c) true when p is positive (d) true when p is negative

Answer: always true

If p, q, r, s, t are five consecutive odd numbers then their average is

[www.competoid.com]

- (a) $5(p + 4)$ (b) $\frac{p + 4}{5}$
(c) $(p + 4)$ (d) $(p + 2)$

Answer: $(p+4)(p+4)$

If p, q, r are all real numbers then $(p - q)^3 + (q - r)^3 + (r - p)^3$ is equal to:

[www.examveda.com]

- (a) $(p - q)(q - r)(r - p)$ (b) $3(p - q)(q - r)(r - p)$
(c) 1 (d) 0

(b)

If r is the remainder when each of 7654, 8506 and 9997 is divided by the greatest number at ($d > 1$), then $d - r$ is equal to

[www.competoid.com]

- (a) 14 (b) 18
(c) 24 (d) 28

Answer: 14

If such numbers which are divisible by 5 and also those which have 5 as one of the digits are eliminated from the numbers 1 to 60, how many numbers would remain?

[www.competoid.com]

- (a) 40 (b) 47
(c) 53 (d) 45

Answer: 40

If sum of integers from 101 to 200, inclusive is subtracted from the sum of integers from 201 to 300 inclusive, then the result is

[www.competoid.com]

- (a) 0 (b) 100
(c) 1000 (d) 10000

Answer: 10000

If sum of smaller number x and two times the other number is equal to the sum of two times the Smaller number and 16. The difference between the numbers is 6. Find the smaller number.

[www.competoid.com]

- (a) 4 (b) 3
(c) 6 (d) 8

Answer: 4

If the digit in the unit and the ten's places of a two digit number are interchanged, a new number is formed, which is greater than the original number by 63. Suppose the digit in the unit place of the original number is x . Then all the possible value of x are—

[www.examveda.com]

- (a) 7, 8, 9 (b) 2, 7, 9
(c) 0, 1, 2 (d) 1, 2, 8

(a)

If the digits of a two digit number are interchanged the newly formed number is more than the original number by 18, and sum of the digit is 8 then what was the original number?

[www.competoid.com]

- (a) 53 (b) 26
(c) 35 (d) Cannot be determined

Answer: 35

If the fractions $\frac{5}{14}, \frac{6}{11}, \frac{7}{9}, \frac{8}{13}$ and $\frac{9}{10}$ are arranged in ascending order of their values, which one will be the fourth?

[www.competoid.com]

- (a) $\frac{7}{9}$ (b) $\frac{5}{14}$

- (c) $\frac{8}{13}$ (d) $\frac{9}{10}$

Answer: 7979

If the number 42573 * is exactly divisible by 72, then the minimum value of * is:
[www.indiabix.com]

- (a) 4 (b) 5
(c) 6 (d) 7
(e) 8

(c)

If the number 481 * 673 is completely divisible by 9, then the smallest whole number in place of * will be:
[www.indiabix.com]

- (a) 2 (b) 5
(c) 6 (d) 7
(e) None of these

(d)

If the number 5 * 2 is divisible by 6, then * = ?
[www.indiabix.com]

- (a) 2 (b) 3
(c) 6 (d) 7

(a)

If the number 517*324 is completely divisible by 3, then the smallest whole number in the place of * will be:
[www.indiabix.com; www.sawaal.com]

- (a) 0 (b) 1
(c) 2 (d) None of these

(c)

If the number 91876 * 2 is completely divisible by 8, then the smallest whole number in place of * will be:
[www.indiabix.com]

- (a) 1 (b) 2
(c) 3 (d) 4
(e) None of these

(c)

If the number 97215 * 6 is completely divisible by 11, then the smallest whole number in place of * will be:
[www.indiabix.com]

- (a) 3 (b) 2
(c) 1 (d) 5
(e) None of these

(a)

If the numbers $\sqrt[3]{9}$, $\sqrt[4]{9}$, $\sqrt[6]{25}$ are arranged in ascending order, then the right arrangement is –
[www.examveda.com]

- (a) $\sqrt[6]{25}$, $< \sqrt[4]{20}$, $< \sqrt[3]{9}$ (b) $\sqrt[3]{9}$, $< \sqrt[4]{20}$, $< \sqrt[6]{25}$
(c) $\sqrt[6]{25}$, $< \sqrt[3]{9}$, $< \sqrt[4]{20}$ (d) $\sqrt[4]{20}$, $< \sqrt[3]{9}$, $< \sqrt[6]{25}$

(c)

If the numerator of a fraction is increased by 20% and its denominator by 25%, then the fraction so obtained is $\frac{3}{5}$. What is the original fraction?
[www.competoid.com]

- (a) $\frac{3}{5}$ (b) $\frac{3}{8}$
(c) $\frac{5}{8}$ (d) Cannot be determined

Answer: 5858

If the numerator of a fraction is increased by 200% and the denominator of the fraction is increased by 150%, the resultant fraction is $\frac{7}{10}$. What is the original fraction?
[www.competoid.com]

- (a) $\frac{3}{4}$ (b) $\frac{7}{12}$
(c) $\frac{7}{11}$ (d) $\frac{9}{11}$

Answer: 712712

If the numerator of a fraction is increased by 200% and the denominator is increased by 400%, the resultant is $1\frac{1}{20}$. What was the original fraction ?
[www.competoid.com]

- (a) $1\frac{3}{4}$ (b) $\frac{11}{10}$
(c) $\frac{6}{5}$ (d) $1\frac{1}{2}$

Answer: 134134

If the numerator of a fraction is increased by 200% and the denominator is increased by 350%. the resultant fraction is $\frac{5}{12}$. What was the original fraction?
[www.competoid.com]

- (a) $\frac{5}{9}$ (b) $\frac{5}{8}$
(c) $\frac{7}{12}$ (d) $\frac{11}{12}$

Answer: 5858

If the numerator of a fraction is increased by 200% and the denominator of the fraction is increased by 250%. the resultant fraction is $\frac{3}{14}$. What is the original fraction?
[www.competoid.com]

- (a) $\frac{1}{2}$ (b) $\frac{3}{14}$
 (c) $\frac{1}{6}$ (d) None of these

Answer: None of these

- ## If the numerator of a fraction is increased by 200% and the denominator of the fraction is increased by 120%, the resultant fraction is $\frac{4}{11}$. What is the original fraction?

[www.competoid.com]

- (a) $\frac{4}{15}$ (b) $\frac{3}{11}$
 (c) $\frac{5}{12}$ (d) $\frac{6}{11}$

Answer: 415415

- ## If the numerator of a fraction is increased by 250% and the denominator of the fraction is increased by 400%, the resultant fraction is $\frac{5}{18}$. What is the original fraction?

[www.competoid.com]

- (a) $\frac{4}{9}$ (b) $\frac{4}{5}$
 (c) $\frac{8}{9}$ (d) $\frac{8}{11}$

Answer: 4949

- ## If the numerator of a fraction is increased by 300% and the denominator is increased by 100%. the resultant fraction is $1\frac{11}{19}$. What was the original fraction?

[www.competoid.com]

- (a) $\frac{15}{19}$ (b) $\frac{13}{19}$
 (c) $\frac{5}{9}$ (d) $\frac{4}{9}$

Answer: 15191519

- ## If the numerator of a fraction is increased by 300% and the denominator is increased by 500%, the resultant fraction is $\frac{5}{12}$. What was the original fraction?

[www.competoid.com]

- (a) $\frac{8}{5}$ (b) $\frac{5}{11}$
 (c) $\frac{12}{5}$ (d) None of these

Answer: None of these

- ## If the numerator of a fraction is increased by 350% and the denominator of the fraction is increased by 300%, the resultant fraction is $\frac{9}{22}$. What is the original fraction?

[www.competoid.com]

- (a) $\frac{3}{4}$ (b) $\frac{5}{12}$
 (c) $\frac{7}{9}$ (d) $\frac{4}{11}$

Answer: 411411

- ## If the numerator of a fraction is increased by 400% and the denominator is increased by 500%, the resultant fraction is $\frac{20}{27}$. What is the original fraction ?

[www.competoid.com]

- (a) $\frac{9}{8}$ (b) $\frac{11}{12}$
 (c) $\frac{3}{4}$ (d) None of these

Answer: None of these

- ## If the position of the digits of a two digit number are interchanged, the number obtained is smaller than the original number by 27. If the digits of the number are in the ratio of 1 : 2. what is the original number ?

[www.competoid.com]

- (a) 36 (b) 63
 (c) 48 (d) Cannot be determined

Answer: 63

- ## If the product $4864 \times 9P2$ is divisible by 12, the value of p:

[www.sawaal.com; www.indiabix.com]

- (a) 1 (b) 2
 (c) 3 (d) 4

- ## If the product of two positive numbers be 1575 and their ratio is 7 : 9, then the greatest number is:

[www.exammveda.com]

- (a) 45 (b) 135
 (c) 35 (d) 63

- ## If the square of sum of three positive consecutive natural numbers exceeds the sum of their squares by 292, then what is the largest of the three numbers?

[www.sawaal.com]

- (a) 5 (b) 6
 (c) 7 (d) 8

- ## If the sum of two numbers is 42 and their product is 437. then the absolute difference between the numbers is:

[www.competoid.com]

- (a) 3 (b) 4
(c) 5 (d) 7
Answer: 4
- ## If two numbers are each divided by the same divisor, the remainder are respectively 3 and 4. If the sum of two numbers be divided by the same divisor, the remainder is 2. The divisor is—
[www.examveda.com]
(a) 9 (b) 7
(c) 5 (d) 3 **(c)**
- ## If $V = 12R / (r + R)$, then $R =$ [www.sawaal.com]
(a) $Vr / (12 - V)$ (b) $Vr + (V / 12)$
(c) V (d) $V / (r - 12)$ **(a)**
- ## If we divide the unknown two – digit number by the number consisting of the same digits written in the reverse order, we get 4 as quotient and 3 as remainder. If we divide the required number by sum of its digits, we get 8 as a quotient and 7 as a remainder. Find the number?
[www.examveda.com]
(a) 81 (b) 91
(c) 71 (d) 72
(e) None of these **(c)**
- ## If we write down all the natural numbers from 259 to 492 side by side get a very large natural number 259260261....491492. How many 8's will be used to write this large natural number?
[www.lofoya.com]
(a) 32 (b) 43
(c) 52 (d) 53 **(d)**
- ## If $x : y$ be the ratio of two whole numbers and z be their HCF, then the LCM of those two numbers is:
[www.examveda.com]
(a) yz (b) $\frac{yz}{y}$
(c) $\frac{xy}{z}$ (d) xyz **(d)**
- ## If you write down all the numbers from 1 to 100, then how many times do you write 4 ?
[www.sawaal.com]
(a) 11 (b) 20
(c) 17 (d) 14 **(b)**
- ## In a 4-digit number, the sum of the first two digits is equal to that of last two digits. The sum of the first and last digits is equal to third digit. Finally, the sum of the second and fourth digits is twice the sum of the

- other two digits. What is the third digit of the number?
[www.examveda.com]
(a) 5 (b) 8
(c) 1 (d) 4 **(a)**
- ## In a certain series, each number except the first and second is obtained by adding the previous two numbers. If the first no is 2 and sixth no is 26, then the seventh number is:
[www.examveda.com]
(a) 52 (b) 46
(c) 40 (d) 42 **(d)**
- ## In a class, 50 students play Cricket, 20 students play Football and 10 students play both Cricket and Football. How many play at least one of these two games?
[www.competoid.com]
(a) 10 (b) 80
(c) 50 (d) 60
Answer: 60
- ## In a class, there are 'z' students. Out of them 'x' are boys. What part of the class is composed of girls?
[www.examveda.com]
(a) $\frac{x}{y}$ (b) $\frac{z}{x}$
(c) $1 - \frac{x}{z}$ (d) $\frac{x}{z} - 1$ **(c)**
- ## In a division operation, the divisor is 5 times the quotient and twice the remainder. If the remainder is 15, then what is the dividend?
[www.competoid.com]
(a) 175 (b) 185
(c) 195 (d) 250
Answer: 195
- ## In a division sum, the divisor is 10 times the quotient and 5 times the remainder. If the remainder is 46, what is the dividend?
[www.competoid.com; www.indiabix.com]
(a) 4236 (b) 4306
(c) 4336 (d) 5336
(e) None of these **(d)**
- ## In a fraction, if numerator is increased by 40%, and denominator is increased by 80%. Then what fraction of the old is the new fraction?
[www.competoid.com]
(a) $\frac{1}{2}$ (b) $\frac{7}{9}$
(c) $\frac{7}{18}$ (d) Data inadequate
Answer: 7979

- ## In a meet, persons from five different places have assembled in Bangalore High School. From the five places the persons come to represent are 42, 60, 210, 90 and 84. What is the minimum number of rooms that would be required to accommodate so that each room has the same number of occupants and occupants are all from the same places?

[www.lofoya.com]

- (a) 44 (b) 62
(c) 81 (d) 96 **C**

- ## In a pair of fractions, fraction 'A' is twice the fraction 'B' and the 2 product of two fractions is $\frac{2}{25}$. What is the value of fraction 'A'?

[www.competoid.com]

- (a) $\frac{1}{5}$ (b) $\frac{2}{5}$
(c) $\frac{1}{25}$ (d) Data inadequate

Answer: 2525

- ## In a two digit number the digit in unit's place is four times the digit in ten's place and sum of the digits is equal to ten. What is the number?

[www.competoid.com]

- (a) 14 (b) 41
(c) 82 (d) None of these

Answer: None of these

- ## In a two digit number, the digit at the unit's place is 1 less than twice the digit at the ten's place. If the digits at unit's and ten's place are interchanged, the difference between the new and the original number is less than the original number by 20. The original number is:

[www.examveda.com]

- (a) 59 (b) 23
(c) 35 (d) 47 **D**

- ## In a two digit positive number, the digit in the unit's place is equal to the square of the digit in ten's place, and the difference between the number and the number obtained by interchanging the digits is 54. What is 40% of the original number?

[www.competoid.com]

- (a) 15.6 (b) 39
(c) 37.2 (d) 24

Answer: 15.6

- ## In what ratio is the segment joining $(-1, -12)$ and $(3, 4)$ divided by the x-axis?

[www.sawaal.com]

- (a) 1 : 3 (b) 3 : 2
(c) 3 : 1 (d) 2 : 3 **C**

- ## In $\triangle ABC$ measure of angle B is 90° . If $\csc A = \frac{13}{12}$, and $AB = 10\text{cm}$, then what is the length (in cm) of side AC?

[www.sawaal.com]

- (a) 24 (b) 12
(c) 14 (d) 26 **D**

- ## Index form of $\frac{27}{125}$ is

[www.competoid.com]

- (a) $\left(\frac{3}{5}\right)^3$ (b) $\left(\frac{5}{3}\right)^3$
(c) $\left(\frac{4}{5}\right)^3$ (d) None of these

Answer: $(35)^3(35)^3$

- ## Indian hockey team won 4 more matches, than it lost to Australia. If it won $\frac{3}{5}$ of its matches, how many matches did India play?

[www.competoid.com]

- (a) 20 (b) 16
(c) 12 (d) 8

Answer: 20

- ## K men agree to donate a gift of Rs. L to trust. If three men drop out how much more will each have to contribute towards the purchase of the gift?

[www.sawaal.com]

- (a) $\frac{L}{(K-3)}$ (b) $\frac{K}{(L-3)}$
(c) $\frac{2K}{3L-K}$ (d) $\frac{3L}{K(K-3)}$ **D**

- ## Let X be a four-digit number with exactly three consecutive digits being same and is a multiple of 9. How many such X's are possible?

[www.lofoya.com]

- (a) 12 (b) 16
(c) 19 (d) 20 **D**

- ## Let x be an odd natural number. If x is divided by 6, it leaves a remainder y. If y^2 is divided by 4, it leaves remainder of z. Which of the following must be true for z?

[www.competoid.com]

- (a) $z = 3$ (b) $z = 5$
(c) $z = 1$ (d) z is even

Answer: $z = 1$

If $\frac{x}{y} = \frac{3}{4}$, then the value of $\frac{6}{7} + \frac{y-x}{y+x} = ?$
[www.competoid.com]

- (a) $\frac{5}{7}$ (b) $1\frac{1}{7}$
(c) 1 (d) None of these

Answer: 1

Maheshwari wants to buy 7 floors in an 68 storied building whose numbering starts from 1 upto 68. But she has to follow certain rules which are as follows :

[www.sawaal.com]

- (a) 11 (b) 17
(c) 13 (d) 19

Mathematical expression for "two multiplied by one less than the difference of nineteen and six" is

[www.competoid.com]

- (a) $2 \times \{6 - 19 + 1\}$ (b) $2 \times \{(19 - 6) + 1\}$
(c) $2 \times \{(19 - 6) - 1\}$ (d) none of these

Answer: $2 \times \{(19 - 6) - 1\}$

Multiplicative identity of whole number 'a' is

[www.competoid.com]

- (a) 1 (b) $\frac{1}{a}$
(c) $a + 1$ (d) $a - 1$

Answer: 1

No square of a number ends with

[www.competoid.com]

- (a) 2,3,7 and 8 (b) 3,5,6 and 8
(c) 2,5,7 and 9 (d) 2,3,7 and 9

Answer: 2,3,7 and 8

Number of prime numbers from 1 to 50 are

[www.competoid.com]

- (a) 18 (b) 15
(c) 12 (d) 20

Answer: 15

Of the three numbers the sum of the first two is 40; the sum of the second and the third is 48 and the sum of the third and thrice the first is 104. Then the third number is.

[www.competoid.com]

- (a) 24 (b) 32
(c) 16 (d) 48

Answer: 32

Of the three numbers, the second is twice the first and is also thrice the third. If the average of these three numbers is 44, the largest number is—

[www.examveda.com]

- (a) 24 (b) 36
(c) 72 (d) 108

(c)

Of the three numbers, the sum of the first two is 55, sum of the second and third is 65, and sum of third with thrice of the first is 110. The third number is—

[www.examveda.com]

- (a) 25 (b) 30
(c) 35 (d) 28

(c)

On a particular day, sweets were to be equally distributed among 495 students of a school. However, on that particular day 396 students from a nearby school also joined them. Hence each student present on that day got four sweets less. How many sweets were distributed ?

[www.competoid.com]

- (a) 5445 (b) 4950
(c) 4455 (d) 3960

Answer: 4455

On a road three consecutive traffic lights change after 36, 42 and 72 seconds respectively. If the lights are first switched on at 9 : 00 AM sharp, at what time will they change simultaneously?

[www.examveda.com]

- (a) 9 : 08 : 04 (b) 9 : 08 : 24
(c) 9 : 08 : 44 (d) None of these

(b)

On a school's Annual Day sweets were to be equally distributed amongst 112 children. But on that particular day, 32 children were absent. Thus the remaining children got 6 extra sweets. How many sweets was each child originally supposed to get?

[www.competoid.com]

- (a) 24 (b) 18
(c) 15 (d) Cannot be determined

Answer: 15

On dividing 2272 as well as 875 by 3-digit number N, we get the same remainder. The sum of the digits of N is:

[www.indiabix.com; www.sawaal.com]

- (a) 10 (b) 11
(c) 12 (d) 13

(a)

On dividing 44289 by 289, the remainder is 72. What is the quotient.

[www.competoid.com]

- (a) 123 (b) 143
(c) 153 (d) 133

Answer: 153

On dividing a number by 357, we get 39 as remainder. On dividing the same number 17, what will be the remainder?

[www.examveda.com; www.indiabix.com]

- (a) 0 (b) 3

- (c) 5 (d) 11
(e) None of these **(c)**
- ## On dividing a number by 5, we get 3 as remainder. What will the remainder when the square of the this number is divided by 5? [www.indiabix.com]
(a) 0 (b) 1
(c) 2 (d) 4 **(d)**
- ## On dividing a number by 56, we get 29 as remainder. On dividing the same number by 8, what will be the remainder? [www.indiabix.com]
(a) 4 (b) 5
(c) 6 (d) 7 **(b)**
- ## On dividing a number by 68, we get 269 as quotient and 0 as remainder. On dividing the same number by 67, what will the remainder? [www.indiabix.com]
(a) 0 (b) 1
(c) 2 (d) 3 **(b)**
- ## On Republic Day sweets were to be equally distributed among 450 children. But on that particular day, 150 children remained absent. Thus, each child got 3 sweets extra. How many sweets did each child get? [www.competoid.com]
(a) 6 (b) 12
(c) 9 (d) Cannot be determined
Answer: 9
- ## On the annual day, sweets were to be distributed equally amongst 600 children of the school. But on that particular day, 120 children remained absent. Thus, each child got 2 extra sweets. How many sweets was each Child originally supposed to get? [www.competoid.com]
(a) 8 (b) 14
(c) 10 (d) 6
Answer: 8
- ## One – third of a tower is painted black, $\frac{5}{11}$ th of the remaining part is painted red and the rest is painted white. If the white part measures 60 ft., the total height of the tower is— [www.examveda.com]
(a) 100 ft. (b) 154 ft.
(c) 165 ft. (d) 110 ft. **(c)**
- ## One of a group of swans, $\frac{7}{2}$ times the square root of the number are playing on the shore of the pond. The two remaining are

inside the pond. What is the total number of swans? [www.competoid.com]

- (a) 10 (b) 14
(c) 12 (d) 16

Answer: 16

- ## One third of three eighth of a number is 20. Then the number is [www.competoid.com]

- (a) 160 (b) 240
(c) 480 (d) 80

Answer: 160

- ## One-fifth of a number is 62. What will 73% of that number be? [www.competoid.com]

- (a) 198.7 (b) 212.5
(c) 226.3 (d) 234.8

Answer: 226.3

- ## One-third of a number is 96. What will 67% of that number be? [www.competoid.com]

- (a) 192.96 (b) 181.44
(c) 169.92 (d) 204.48 **(a)**

- ## Out of 80 students in a class, 25 are studying Commerce, 15 Mathematics and 13 Physics, 3 are studying Commerce and Mathematics, 4 are studying Mathematics and Physics and 2 are studying Commerce and Physics, 1 student is studying all the three subjects together. How many students are not studying any of the three subjects? [www.competoid.com]

- (a) 35 (b) 40
(c) 20 (d) 15

Answer: 35

- ## Philip, Tom and Brad start jogging around a circular field and complete a single round in 18, 22 and 30 seconds respectively. In how much time will they meet again at the starting point? [www.competoid.com]

- (a) 8 mins. 15 secs. (b) 21 mins.
(c) 16 mins. 30 secs. (d) 12 mins.

Answer: 16 mins. 30 secs.

- ## Product of digits of a 2-digit number is 18. If we add 63 to the number, the new number obtained is a number formed by interchange of the digits. Find the number. [www.sawaal.com]

- (a) 92 (b) 29
(c) 36 (d) 63 **(b)**

- ## Product of digits of a 2-digit number is 72. If we add 9 to the number, the new number

obtained is a number formed by interchange of the digits. Find the number. [www.sawaal.com]

- (a) 98 (b) 89
(c) 78 (d) 87 **b**

Product of three consecutive odd numbers is 1287. What is the largest of the three numbers? [www.sawaal.com]

- (a) 9 (b) 11
(c) 13 (d) 17 **c**

Prof. Suman takes a number of quizzes for a course. All the quizzes are out of 100. A student can get an A grade in the course if the average of her scores is more than or equal to 90. Grade B is awarded to a student if the average of her scores is between 87 and 89 (both included). If the average is below 87, the student gets a C grade. Ramesh is preparing for his last quiz and he realizes that he must score a minimum of 97 to get an A grade. After the quiz, he realizes that he will score 70, and he will just manage a B. how many quizzes did Prof. Suman take? [www.examveda.com]

- (a) 6 (b) 7
(c) 8 (d) 9 **d**
(e) None of these

Punit, Vinit and Ajit begin to jog around a stadium. They complete their revolutions in 45 seconds, 54 seconds and 36 seconds respectively. After how many seconds will they be together at the starting point ? [www.competoid.com]

- (a) 360 sec. (b) 600 sec.
(c) 540 sec. (d) 450 sec.

Answer: 540 sec.

Ram and Shyam take a vacation at their grandparents' house. During the vacation, they do any activity together. They either played tennis in the evening or practiced Yoga in the morning, ensuring that they do not undertake both the activities on any single day. There were some days when they did nothing. Out of the days that they stayed at their grandparents' house, they involved in one of the two activities on 22 days. However, their grandmother while sending an end of vacation report to their parents stated that they did not do anything on 24 mornings and they did nothing on 12

evenings. How long was their vacation? [www.lofoya.com]

- (a) 36 days (b) 14 days
(c) 29 days (d) Cannot be determined **c**

Ram left $\frac{1}{3}$ of his property to his widow and $\frac{3}{5}$ of the remainder to his daughter. He gave the rest to his son who received Rs. 6,400. How much was his original property worth? [www.examveda.com]

- (a) Rs. 16,000 (b) Rs. 24,000
(c) Rs. 30,000 (d) Rs. 32,000 **b**

Ravi bought equal number of Rs.45, Rs.75 and Rs.95 valued tickets for a classical music show. He spent a sum of Rs.3870 for all the tickets. How many of each kind of tickets did he buy ? [www.competoid.com]

- (a) 18 (b) 19
(c) 17 (d) 20

Answer: 18

Recently, a small village, in Tamilnadu where only male shepherd reside with four sheep each, was devastated by Tsunami waves. Therefore 8 persons and 47 sheep were found to be dead and the person who luckily survived, left the village with one sheep each since 21 sheep were too injured to move so have left on their on luck, in the village. The number of sheep which were earlier in the village was: [www.examveda.com]

- (a) 84 sheep (b) 120 sheep
(c) 80 sheep (d) 90 sheep **c**
(e) Cannot determined

Some birds settled on the branches of a tree. First, they sat one to a branch and there was one bird too many. Next they sat two to a branch and there was one branch too many. How many branches were there? [www.examveda.com]

- (a) 3 (b) 4
(c) 5 (d) 6 **a**
(e) 2

Sum of square of first number and cube of second number together is 568. Also square of the second number is 15 less than square of 8. What is the value of three-fifth of the first number? (assuming both the numbers are positive) [www.competoid.com]

- (a) 18 (b) 8
(c) 9 (d) 16

Answer: 9

- ## Sunil entered a shopping center and spent one half of the money that he had. When he finished his purchase he found that he had as many paise as he had rupees and half as many rupees as he had paise when he went. How much money did he have when he entered?

[www.examveda.com]

- (a) Rs. 75.50 (b) Rs. 98.98
(c) Rs. 99.98 (d) None of these **(c)**

- ## Sunny gets $\frac{7}{9}$ times as many marks in QA as in ENGLISH. If his total combined marks in both the papers is 90. His marks in QA is:

[www.examveda.com]

- (a) 50 (b) 60
(c) 70 (d) 80 **(c)**

- ## Suppose n is an integer such that the sum of digits on n is 2, and $10^{10} < n \times 10^n$. The number of different values of n is:

[www.lofoya.com]

- (a) 8 (b) 9
(c) 10 (d) 11 **(d)**

- ## The sum of three prime numbers is 100. If one of them exceeds another by 36, then one of the numbers is

[www.sawaal.com]

- (a) 17 (b) 29
(c) 43 (d) none **(d)**

- ## The 2nd and 6th term of an arithmetic progression are 8 and 20 respectively. What is the 20th term?

[www.sawaal.com]

- (a) 56 (b) 65
(c) 62 (d) 69 **(c)**

- ## The 3rd and 6th term of an arithmetic progression are 19 and 37 respectively. What is the 13th term?

[www.sawaal.com]

- (a) 79 (b) 43
(c) 45 (d) 49 **(a)**

- ## The age of Mr. Bhagat in 2002 was $1/90$ of his birth year. What is his age in 2006?

[www.competoid.com]

- (a) 30 yrs (b) 28 yrs
(c) 26 yrs (d) 22 yrs

Answer: 26 yrs

- ## The angles of a quadrilateral are in the ratio of 2:4:7:5. The smallest angle of the

quadrilateral is equal to the smallest angle of a triangle. One of the angles of the triangle is twice the smallest angle of the triangle. What is the second largest angle of the triangle?

[www.sawaal.com]

- (a) 80 degrees (b) 60 degrees
(c) 120 degrees (d) 40 degrees **(b)**

- ## The average of 3 consecutive even numbers is A. If next 5 even numbers are added, then what is the average of these 8 numbers?

[www.sawaal.com]

- (a) A + 3 (b) A + 4
(c) A + 5 (d) A + 7 **(c)**

- ## The average of 8 consecutive integers is $\frac{23}{2}$.

What is the average of first three integers?

[www.sawaal.com]

- (a) 9 (b) $\frac{19}{2}$
(c) 8 (d) 10 **(a)**

- ## The average value of property of Agil, Mugilan and Anithais Rs. 130cr. The Property of Agil is 20cr greater than the property value of Mugilan and Anitha property value is 50cr greater than the Agil property value. The value of property of Anitha is

[www.sawaal.com]

- (a) 120 cr (b) 170 cr
(c) 100 cr (d) 150 cr **(b)**

- ## The co-ordinates of the centroid of a triangle ABC are (-1, -2) what are the co-ordinates of vertex C, if co-ordinates of A and B are (6, -4) and (-2, 2) respectively?

[www.sawaal.com]

- (a) (-7, -4) (b) (7, 4)
(c) (7, -4) (d) (-7, 4) **(a)**

- ## The cost of 8 dozen of eggs is of Rs.256. Which calculation is needed to find the cost of 9 eggs?

[www.competoid.com]

- (a) $(9 \times 256) \times (8 \div 12)$ (b) $(12 \times 256) \div (8 \times 9)$
(c) $(8 \times 256) \div (9 \times 12)$ (d) $(9 \times 256) \div (8 \times 12)$

Answer: $(9 \times 256) \div (8 \times 12)$

- ## The denominator of a fraction is 3 more than its numerator. If the numerator is increased by 7 and denominator is decreased by 2, we obtain 2. The sum of numerator and denominator of the fraction is—

[www.examveda.com]

- (a) 5 (b) 13
(c) 17 (d) 19 **(b)**

- ## The denominator of fraction is 2 more than thrice its numerator. If the numerator as well as denominator is increased by one, the fraction becomes $\frac{1}{3}$. What was the original fraction?

[www.competoid.com]

- (a) $\frac{4}{13}$ (b) $\frac{3}{11}$
(c) $\frac{5}{13}$ (d) $\frac{5}{11}$

Answer: 311311

- ## The denominators of two fractions are 5 and 7 respectively. The sum of these fractions is $\frac{41}{35}$. On interchanging the numerators, their sum becomes $\frac{43354335}{35}$. The fractions are

[www.competoid.com]

- (a) $\frac{2}{5}$ and $\frac{4}{7}$ (b) $\frac{3}{5}$ and $\frac{4}{7}$
(c) $\frac{4}{5}$ and $\frac{2}{7}$ (d) $\frac{3}{5}$ and $\frac{5}{7}$

Answer: 3535 and 4747

- ## The difference between 20% of a number and $\frac{4}{5}$ th of the same number is 2499. What is $\frac{2}{7}$ th of that number?

[www.competoid.com]

- (a) 2156 (b) 1190
(c) 1090 (d) 1465

Answer: 1190

- ## The difference between a positive proper fraction and its reciprocal is $\frac{9}{20}$. The fraction is:

[www.indiabix.com; www.sawaal.com]

- (a) $\frac{3}{5}$ (b) $\frac{3}{10}$
(c) $\frac{4}{5}$ (d) $\frac{4}{3}$

(c)

- ## The difference between a two digit number and the number obtained by interchanging the positions of its digits is 36. What is the difference between the two digits of that number?

[www.competoid.com]

- (a) 4 (b) 9
(c) 3 (d) Cannot be determined

Answer: 4

- ## The difference between the place value and the face value of 6 in the numeral 856973 is

[www.indiabix.com]

- (a) 973 (b) 6973
(c) 5994 (d) None of these (c)

- ## The difference between the place value and the face value of 7 in the numeral 967452 is

[www.sawaal.com]

- (a) 6393 (b) 5831
(c) 6993 (d) 6339 (c)

- ## The difference between the place values of two sevens in the numeral 69758472 is

[www.indiabix.com]

- (a) 0 (b) 6993
(c) 699930 (d) None of these (c)

- ## The difference between the sum of four consecutive odd numbers and three consecutive even numbers together is 20. Also, the largest even number is 5 more than the largest odd number. What is the sum of the smallest odd number and the smallest even number?

[www.competoid.com]

- (a) 75 (b) 77
(c) 85 (d) Cannot be determined

Answer: 77

- ## The difference between the $\frac{3}{4}$ th of $\frac{4}{5}$ th of a number and 1616th of $\frac{2}{5}$ th of the same number is 648. What is the number?

[www.competoid.com]

- (a) 1110 (b) 1215
(c) 1325 (d) 1440

Answer: 1215

- ## The difference between two numbers is 3355. When the larger number is divided by the smaller one, the quotient is 6 and the remainder is 15. The smaller number and larger number respectively?

[www.sawaal.com]

- (a) 546, 3901 (b) 415, 3770
(c) 668, 4023 (d) 404, 3759 (c)

- ## The difference of two numbers is 1365. On dividing the larger number by the smaller, we get 6 as quotient and the 15 as remainder. What is the smaller number?

[www.examveda.com; www.indiabix.com]

- (a) 240 (b) 270
(c) 295 (d) 360

(e) None of these

(b)

- ## The digit in the unit's place of $[(251)^{98} + (21)^{29} - (106)^{100} + (705)^{35} - 16^4 + 259]$ is:

[www.examveda.com]

The least common multiple of two natural numbers aa and bb, is 399. What is the minimum possible sum of the digits of the number a(given $a > b$)? [www.lofoya.com]

- (a) 1 (b) 3
(c) 5 (d) 7

(b)

The least number of five digit is exactly divisible by 88 is:

[www.examveda.com]

- (a) 10032 (b) 10132
(c) 10088 (d) 10023

(a)

The least number that must be subtracted from 63520 to make the result a perfect square is— [www.examveda.com]

- (a) 30 (b) 24
(c) 14 (d) 16

(d)

The least number that must be subtracted from 893304 to get a perfect square, is [www.competoid.com]

- (a) 9 (b) 279
(c) 945 (d) 1612

Answer: 279

The least number which must be added to the greatest number of 4 digits in order that the sum may be exactly divisible by 307 is: [www.examveda.com]

- (a) 132 (b) 32
(c) 43 (d) 75

(a)

The least number which should be added to 2497 so that the sum is exactly divisible by 5, 6, 4 and 3 is: [www.competoid.com]

- (a) 3 (b) 13
(c) 23 (d) 33

Answer: 23

The least perfect square divisible by 2, 4 and 6 is [www.competoid.com]

- (a) 16 (b) 18
(c) 36 (d) 52

Answer: 36

The least square number which is exactly divisible by each of these number 6,9,15 and 20 is [www.competoid.com]

- (a) 400 (b) 900
(c) 961 (d) 1024

Answer: 900

The natural numbers are divided into groups as (1), (2, 3), (4, 5, 6), (7, 8, 9, 10) and so on. The sum of the numbers in the 50th group is [www.competoid.com]

- (a) 1225 (b) 24505
(c) 62525 (d) 52650

Answer: 62525

The number obtained by interchanging the two digits of a two digit number is less than the original number by 27. If the difference between the two digits of the number is 3. What is the original number ? [www.competoid.com; www.lofoya.com]

- (a) 74 (b) 63
(c) 85 (d) Cannot be determined

Answer: Cannot be determined

The number of employees in Examveda and Co. is a prime number and less than 300. The ratio of the number of employees who are graduates and above, to that of employees who are not, can possibly be: [www.examveda.com]

- (a) 101 : 88 (b) 87 : 100
(c) 110 : 111 (d) 85 : 98

(e)

The number of numbers from 1 to 200 which are divisible by neither 3 nor 7 is: [www.examveda.com]

- (a) 115 (b) 106
(c) 103 (d) less than 100

(a)

The numbers 1 to 29 are written side by side as follows 1234567891011.....2829. If the number is divided by 9, then what is the remainder? [www.lofoya.com]

- (a) 0 (b) 1
(c) 2 (d) 3

(d)

The numerator and denominator of a fraction are in the ratio 3 : 4. If 9 is subtracted from the numerator, the resulting fraction in $\frac{2}{3}$ of the original fraction. The numerator of the original fraction is [www.examveda.com]

- (a) 27 (b) 18
(c) 36 (d) 9

(a)

The owner of a local jewellery store hired 3 watchmen to guard his diamonds, but a thief still got in and stole some diamonds. On the way out, the thief met each watchman, one at a time. To each he gave $\frac{1}{2}$ of the diamonds he had then and 2 more besides. He escaped with one diamond. How many did he steal

originally?

- (a) 36 (b) 25
(c) 640 (d) None of these **a**

The pair of numbers which are relatively prime to each other is [www.competoid.com]

- (a) (68, 85) (b) (65, 91)
(c) (92, 85) (d) (102, 153)

Answer: (92, 85)

The product of four consecutive natural numbers plus one is [www.competoid.com]

- (a) a non-square (b) always sum of two square numbers
(c) a square (d) None of the above

Answer: a square

The positive integers m and n leave remainders of 2 and 3, respectively, when divided by 6. $m > n$. What is the remainder when $m - n$ is divided by 6? [www.lofoya.com]

- (a) 2 (b) 3
(c) 5 (d) 6 **c**

The prime number 1999 can be written as $a^2 - b^2$ where a and b are natural numbers. Then the value of $a^2 + b^2$ is [www.competoid.com]

- (a) 1998000 (b) 1998001
(c) 1999000 (d) 1999001

Answer: 1998001

The product of the age of Harish and Seema is 240. If twice the age of Seema is more than Harish's age by 4 years, what is Seema's age in years? [www.competoid.com]

- (a) 12 years (b) 20 years
(c) 10 years (d) 14 years

Answer: 12 years

The product of two consecutive even numbers is 7568. What is 150% of the sum of the two numbers? [www.competoid.com]

- (a) 204 (b) 261
(c) 304 (d) 198

Answer: 261

The product of two consecutive even numbers is 9408. Which is the greater of the two numbers? [www.competoid.com]

- (a) 96 (b) 98
(c) 94 (d) 92

Answer: 98

The product of two consecutive odd numbers is 6723. What is the greater number? [www.competoid.com]

- (a) 89 (b) 85
(c) 91 (d) 83

Answer: 83

The product of two irrationals is [www.competoid.com]

- (a) rational number (b) irrational number
(c) either (a) or (b) (d) none of these

Answer: either (a) or (b)

The product of two numbers is 0.008. One of the numbers is $\frac{1}{5}$ of the other. The smaller number is— [www.examveda.com]

- (a) 0.2 (b) 0.4
(c) 0.02 (d) 0.04 **d**

The product of two numbers is 120 and the sum of their squares is 289. The sum of the two numbers is— [www.examveda.com]

- (a) 23 (b) 7
(c) 13 (d) 169 **a**

The product of two successive numbers is 4032. Which is the greater of the two numbers? [www.competoid.com]

- (a) 63 (b) 64
(c) 65 (d) 66

Answer: 64

The product of two successive numbers is 9506. Which is the smaller of the two numbers? [www.competoid.com]

- (a) 96 (b) 97
(c) 98 (d) 99

Answer: 97

The ratio between two numbers is 2 : 3 one number is greater than the other by 15. The numbers are. [www.competoid.com]

- (a) 15, 20 (b) 30, 45
(c) 20, 30 (d) 30, 50

Answer: 30, 45

The ratio between two numbers is 5 : 2 and their sum is 560. What is the greater of the two numbers? [www.competoid.com]

- (a) 200 (b) 500
(c) 300 (d) 400

Answer: 400

The reciprocal of smallest prime number is [www.competoid.com]

- (a) 0 (b) 1

- (c) $\frac{1}{2}$ (d) 2
Answer: 1212
- ## The reciprocals of the squares of the number $\frac{1}{2}$ and $\frac{1}{3}$ are in the ratio: [www.examveda.com]
 (a) 64 : 81 (b) 8 : 9
 (c) 81 : 64 (d) 9 : 8 **a**
- ## The remainder obtained when any prime number greater than 6 is divided by 6 must be: [www.examveda.com]
 (a) either 1 or 2 (b) either 1 or 3
 (c) either 1 or 5 (d) either 3 or 5 **c**
- ## The Remainder of $\frac{8^{222} + 222^{888}}{3}$ is: [www.examveda.com]
 (a) 0 (b) 1
 (c) 2 (d) 3
 (e) None of these **a**
- ## The remainder of $\frac{39^{97!}}{40}$ is: [www.examveda.com]
 (a) 39 (b) 0
 (c) 1 (d) 13
 (e) None of these **c**
- ## The remainder of $\frac{32^{32^{32}}}{7}$: [www.examveda.com]
 (a) 1 (b) 2
 (c) 3 (d) 4
 (e) None of these **d**
- ## The remainder when $6^{66...6}$ is divided by 10 is: [www.examveda.com]
 (a) 3 (b) 6
 (c) 5 (d) 0
 (e) Cannot determined **b**
- ## The remainder when 71087 is divided by 5 is [www.competoid.com]
 (a) 1 (b) 2
 (c) 3 (d) 4
Answer: 3
- ## The remainder when $m + n$ is divided by 12 is 8, and the remainder when $m - n$ is divided by 12 is 6. If $m > n$, then what is the remainder when mnm divided by 6? [www.lofoya.com]
 (a) 1 (b) 2
 (c) 3 (d) 4 **a**
- ## The remainder when the positive integer mm is divided by 7 is x . The remainder when m is divided by 14 is $x + 7$. Which one of the following could mm equal? [www.lofoya.com]
 (a) 45 (b) 53
 (c) 72 (d) 85 **b**
- ## The rightmost non-zero digit of the number 30^{2720} is [www.examveda.com]
 (a) 1 (b) 3
 (c) 7 (d) 9 **a**
- ## The set of real numbers does not satisfy the property of [www.competoid.com]
 (a) distributive prop (b) additive inverse
 (c) multiplicative identity (d) none of these
Answer: none of these
- ## The smallest 5 digit number exactly divisible by 41 is: [www.indiabix.com]
 (a) 1004 (b) 10004
 (c) 10045 (d) 10025
 (e) None of these **b**
- ## The smallest number of four digits which on division by 4, 6, 10 and 15 leaves a remainder 2 in each case is: [www.examveda.com]
 (a) 1020 (b) 1022
 (c) 1024 (d) 1040 **b**
- ## The smallest number, which should be added to 756896, so as to obtain a multiple of 11, is: [www.examveda.com]
 (a) 1 (b) 2
 (c) 3 (d) 5 **c**
- ## The smallest positive prime (say p) such that $2p - 1$ is not a prime is [www.competoid.com]
 (a) 5 (b) 11
 (c) 17 (d) 29
Answer: 11
- ## The smallest possible three placed decimal is— [www.examveda.com]
 (a) 0.012 (b) 0.123
 (c) 0.111 (d) None of these **d**
- ## The smallest prime number is: [www.indiabix.com]
 (a) 1 (b) 2
 (c) 3 (d) 4 **b**
- ## The smallest prime number, that is the fifth term of an increasing arithmetic sequence in which all the four preceding terms are also prime, is— [www.examveda.com]
 (a) 17 (b) 29

- (c) 37 (d) 53 (b)
The square of a number greater than 1000 that is not divisible by three, when divided by three, leaves a remainder of [www.examveda.com]
 (a) 1 always (b) 2 always
 (c) Either 1 or 2 (d) 0
 (e) Cannot be said

- ## The students of a class donated Rs.2401. Each student donated as many rupees as the number of students in the class, then the number of students in the class is** [www.competoid.com]
 (a) 25 (b) 49
 (c) 81 (d) 119

Answer: 49

- ## The students present in an auditorium are asked to stand in rows. If there were 4 students extra in a row there would be 4 less rows. However, if 2 students were less in a row, there would be 4 more rows. The number of students present in the auditorium is** [www.competoid.com]
 (a) 80 (b) 96
 (c) 100 (d) 128

Answer: 96

- ## The sum and products of two numbers are 12 and 35 respectively. The sum of their reciprocals will be:** [www.examveda.com]

- (a) $\frac{1}{3}$ (b) $\frac{1}{5}$
 (c) $\frac{12}{35}$ (d) $\frac{35}{12}$ (c)

- ## The sum of 10 terms of the arithmetic series is 390. If the third term of the series is 19. Find the first term:** [www.examveda.com]

- (a) 3 (b) 5
 (c) 7 (d) 8 (a)

- ## The sum of all three digit numbers, each of which on divide by 5 leaves remainder 3, is—** [www.examveda.com]

- (a) 180 (b) 1550
 (c) 6995 (d) 99090 (d)

- ## The sum of all two digit numbers divisible by 5 is** [www.sawaal.com]

- (a) 945 (b) 678
 (c) 439 (d) 568 (a)

- ## The sum of even numbers between 1 and 31 is:** [www.indiabix.com; www.examveda.com]

- (a) 6 (b) 28
 (c) 240 (d) 512
 (e) None of these (c)

- ## The sum of five consecutive even numbers of set-A is 220. What is the sum of a different set of five consecutive numbers whose second lowest number is 37 less than double of the lowest number of set-A ?** [www.competoid.com]

- (a) 223 (b) 225
 (c) 235 (d) None of these

Answer: None of these

- ## The sum of five consecutive even numbers of set-A is 280. What is the sum of different set of five consecutive numbers whose lowest number is 71 less than double the lowest number of set-A ?** [www.competoid.com]

- (a) 182 (b) 165
 (c) 172 (d) 175

Answer: 175

- ## The sum of five consecutive numbers is 270. What is the sum of the second and the fifth number?** [www.competoid.com]

- (a) 108 (b) 107
 (c) 110 (d) None of these

Answer: None of these

- ## The sum of four consecutive two-digit odd numbers, when divided by 10, become a perfect square. Which of the following can possibly be one of these four numbers?** [www.examveda.com]

- (a) 21 (b) 25
 (c) 41 (d) 67
 (e) 73 (c)

- ## The sum of four numbers is 64. If you add 3 to the first number, 3 is subtracted from the second number, the third is multiplied by 3 and the fourth is divided by three, then all the results are equal. What is the difference between the largest and the smallest of the original numbers?** [www.competoid.com]

- (a) 32 (b) 27
 (c) 21 (d) Cannot be determined

Answer: 32

- ## The sum of nine consecutive odd numbers of set-A is 621. What is the sum of different set of six consecutive even numbers whose**

lowest number is 15 more than the lowest number of set-A ? [www.competoid.com]

- (a) 498 (b) 468
(c) 478 (d) None of these

Answer: None of these

The sum of one-half, one-third and one-fourth of a number exceeds the number by 12. The number is: [www.competoid.com]

- (a) 144 (b) 154
(c) 90 (d) 174

Answer: 144

The sum of place values of 2 in 2424 is [www.competoid.com]

- (a) 4 (b) 220
(c) 2002 (d) 2020

Answer: 2020

The sum of six consecutive even numbers of set-A is 402. What is the sum of another set-B of four consecutive numbers whose lowest number is 15 less than double the lowest number of set-A ? [www.competoid.com]

- (a) 444 (b) 442
(c) 440 (d) 446

Answer: 442

The sum of squares of three positive integers is 323. If the sum of squares of two numbers is twice the third, their product is: [www.examveda.com]

- (a) 255 (b) 260
(c) 265 (d) 270

(a)

The sum of the age of 4 members of a family 5 years ago was 94 years. Today, when the daughter has been married off and replaced by a daughter-in-law, the sum of their age is 92. Assuming that there has been no other change in the family structure and all the people are alive, what is the age of the daughter and the daughter-in-law ? [www.competoid.com]

- (a) 22 years (b) 11 years
(c) 25 years (d) 19 years

Answer: 22 years

The sum of the digits of a two digit number is 15 and the difference between the two digits of the two digit number is 3. What is the product of the two digits of the two-digit number? [www.competoid.com]

- (a) 56 (b) 63
(c) 42 (d) None of these

Answer: None of these

The sum of the digits of a two-digit number is 14 and the difference between the two digits of the number is 2. What is the product of the two digits of the two-digit number? [www.competoid.com]

- (a) 56 (b) 48
(c) 45 (d) Couldn't be determined

Answer: 48

The sum of the digits of a two-digits numbers is 12 and when the digits of the two digit number are interchanged, the new number is 36 more than the original. What is the Original number? [www.examveda.com]

- (a) 93 (b) 48
(c) 39 (d) 84
(e) Cannot be determined

(b)

The sum of the digits of two – digit number is 10, while when the digits are reversed, the number decrease by 54. Find the changed number. [www.sawaal.com; www.examveda.com]

- (a) 28 (b) 19
(c) 37 (d) 46
(e) 82

(a)

The sum of the four consecutive even numbers is 284. What would be the smallest number? [www.competoid.com]

- (a) 72 (b) 74
(c) 68 (d) 66

Answer: 68

The sum of the numerator and denominator of a positive fraction is 11. If 2 is added to both numerator and denominator, the fraction is increased by $\frac{1}{24}$. The difference of numerator and denominator of the fraction is— [www.examveda.com]

- (a) 5 (b) 3
(c) 1 (d) 9

(c)

The sum of the perfect square between 120 and 300 is: [www.examveda.com]

- (a) 1204 (b) 1024
(c) 1296 (d) 1400

(d)

The sum of the squares of 3 consecutive positive numbers is 365. The sum of the numbers is— [www.examveda.com]

- (a) 30 (b) 33
(c) 36 (d) 45

The sum of the squares of two consecutive even numbers is 6500. Which is the smaller number? [www.competoid.com]

- (a) 54 (b) 52
(c) 48 (d) 56

Answer: 56

The sum of the squares of two numbers is 100 and the square of their difference is 4. What is the product of two numbers. [www.competoid.com]

- (a) 46 (b) 48
(c) 44 (d) 42

Answer: 48

The sum of the squares of two numbers is 169 and their difference is 7. Then the product of two numbers is. [www.competoid.com]

- (a) 77 (b) 64
(c) 49 (d) 60

Answer: 60

The sum of the three numbers is 85. If the ratio between first and second be 1 : 2 and the ratio between second and third be 3 : 4, then the second number is [www.competoid.com]

- (a) 30 (b) 40
(c) 15 (d) 60

Answer: 30

The sum of the two digits of a two digit number is 12 and the difference between the two digits of the two digit number is 6. What is the two digit number? [www.competoid.com]

- (a) 39 (b) 84
(c) 93 (d) Cannot be determined

Answer: Cannot be determined

The sum of the two numbers is 12 and their product is 35. What is the sum of the reciprocals of these numbers? [www.sawaal.com; www.indiabix.com]

- (a) $\frac{12}{35}$ (b) $\frac{1}{35}$
(c) $\frac{35}{8}$ (d) $\frac{7}{32}$

The sum of three consecutive odd natural numbers each divisible by 3 is 63. What is the largest among them? [www.examveda.com]

- (a) 21 (b) 24
(c) 27 (d) 36

The sum of three consecutive odd numbers and three consecutive even numbers together is 231. Also, the smallest Odd number is 11 less than the Smallest even number. What is the sum of the largest odd number and the largest even number? [www.competoid.com]

- (a) 82 (b) 83
(c) 74 (d) None of these

Answer: None of these

The sum of three digit number is subtracted from the number. The resulting number is always: [www.lofoya.com]

- (a) divisible by 6 (b) not divisible by 6
(c) divisible by 9 (d) not divisible by 9

The sum of three numbers is 2, the 1st number is $\frac{1}{2}$ times the 2nd and the 3rd number is $\frac{1}{4}$ times the 2nd number. The 2nd number is: [www.examveda.com]

- (a) $\frac{7}{6}$ (b) $\frac{8}{7}$
(c) $\frac{9}{8}$ (d) $\frac{10}{9}$

The sum of three numbers is 252. If the first number is thrice the second and third number is two – third of the first, then the second number is: [www.examveda.com]

- (a) 41 (b) 21
(c) 42 (d) 84

The sum of two numbers is 100 and their difference is 28. The difference of their squares is [www.competoid.com]

- (a) 2800 (b) 2400
(c) 2600 (d) 3000

Answer: 2800

The sum of two numbers is 18. The greatest product of these two number can be: [www.examveda.com]

- (a) 17 (b) 81
(c) 80 (d) Can't determined

The sum of two numbers is 684 and their HCF is 57. Find all possible pairs of such numbers. [www.examveda.com]

- (a) (57, 627) (285, 399) (b) (37, 575) (270, 390)
(c) (45, 495) (30, 330) (d) (45, 575) (280, 890)

The sum of two numbers is twice their difference. If one of the numbers is 10, the other number is [www.competoid.com]

- (a) $3\frac{1}{3}$ (b) 30
(c) 30 or $-3\frac{1}{3}$ (d) 30 or $3\frac{1}{3}$

Answer: 30

The three words "TATA Assets Rock" are flashed such that the words individually are switched on at regular intervals of 4, 7 and 9 seconds respectively and after they are switched on, the words are switched off after 2 sec, 4 sec and 5 sec respectively. If at time 't' all the words happened to switch off simultaneously, find the least time 't' which all three words will switch on simultaneously. [www.lofoya.com]

- (a) 252 sec (b) 126 sec
(c) 94 sec (d) 38 sec

(c)

The value of $\frac{1}{15} + \frac{1}{35} + \frac{1}{63} + \frac{1}{99} + \frac{1}{143}$ is: [www.examveda.com]

- (a) $\frac{5}{39}$ (b) $\frac{4}{39}$
(c) $\frac{2}{39}$ (d) $\frac{7}{39}$

(a)

The value of $\frac{9}{\sqrt{11} + \sqrt{2}}$ is [www.competoid.com]

- (a) $(\sqrt{11} + \sqrt{2})$ (b) $9(\sqrt{11} + \sqrt{2})$
(c) $(\sqrt{11} - \sqrt{2})$ (d) None of these.

Answer: $(11 - \sqrt{-2} - \sqrt{-1})(11 - 2)$

The value of $\left(\frac{5}{9}\right)^3$ is [www.competoid.com]

- (a) $\frac{125}{727}$ (b) $\frac{127}{729}$
(c) $\frac{125}{729}$ (d) $\frac{125}{727}$

Answer: 125729125729

The value of $\left(-\frac{5}{100}\right)^3$ is [www.competoid.com]

- (a) $\frac{125}{1331}$ (b) $-\frac{125}{1331}$
(c) $\frac{1331}{125}$ (d) None of these

Answer: $-1251331-1251331$

The value of $\sqrt[3]{\frac{27}{64}}$ is [www.competoid.com]

- (a) $\frac{3}{4}$ (b) $\frac{4}{3}$

- (c) $\frac{5}{4}$ (d) $\frac{5}{3}$

Answer: 3434

The value of $(-1728)^{\frac{1}{3}}$ is [www.competoid.com]

- (a) -12 (b) -14
(c) -11 (d) 12

Answer: -12

The value of $(-474552)^{\frac{1}{3}}$ is [www.competoid.com]

- (a) -68 (b) -58
(c) -78 (d) 88

Answer: -78

The value of $(-9)^3$ is [www.competoid.com]

- (a) -729 (b) 729
(c) 739 (d) 629

Answer: -729

The value of $(0.\overline{63} + 0.\overline{37})$ is: [www.examveda.com]

- (a) 1 (b) $\frac{100}{99}$
(c) $\frac{99}{100}$ (d) $\frac{100}{33}$

(b)

The value of $(0.34\overline{67} + 0.13\overline{33})$ is: [www.examveda.com]

- (a) 0.48 (b) $0.48\overline{01}$
(c) 0.48 (d) $0.4\overline{8}$

(b)

The value of $(27 \times -2744)^{\frac{1}{3}}$ is [www.competoid.com]

- (a) -40 (b) -42
(c) -22 (d) -32

Answer: -42

The value of $(33)^3$ is [www.competoid.com]

- (a) 35937 (b) 45937
(c) 55937 (d) 25937

Answer: 35937

The value of $\left(1 + \frac{1}{2}\right) \left(1 + \frac{1}{3}\right) \left(1 + \frac{1}{4}\right) \dots$

$$\left(1 + \frac{1}{120}\right)$$

[www.examveda.com]

- (a) 30 (b) 40.5
(c) 60.5 (d) 121

(c)

The value of $0.\overline{2} + 0.\overline{3} + 0.\overline{32}$ is: [www.examveda.com]

- (a) $0.\overline{87}$ (b) $0.\overline{77}$
(c) $0.\overline{82}$ (d) $0.\overline{86}$

(a)

The value of $2\sqrt{3} - 3\sqrt{12} + 5\sqrt{75}$ is [www.competoid.com]

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- (a) $4\sqrt{3}$ (b) $7\sqrt{5}$
 (c) $3\sqrt{5}$ (d) $21\sqrt{3}$
 Answer: $75-\sqrt{75}$

The value of: $\frac{3.157 \times 4126 \times 3.198}{63.972 \times 2835.121}$
 [www.examveda.com]

- (a) 0.002 (b) 0.02 (c) 0.2 (d) 2

There are 50 boxes and 50 persons. Person 1 keeps 1 marble in every box, person 2 keeps 2 marbles in every 2nd box, person 3 keeps 3 marbles in every third box. The process goes on till person 50 keeps 50 marbles in the 50th box. Find the total number of marbles kept in the 50th box.
 [www.examveda.com]

- (a) 43 (b) 78 (c) 6 (d) 93

There are 576 boys and 448 girls in a school that are to be divided into equal sections of either boys or girls alone. Find the total number of sections thus formed?
 [www.examveda.com]

- (a) 24 (b) 32 (c) 16 (d) 20
 (e) None of these

There are 7 dozen candles kept in a box. If there are 14 such boxes, how many candles are there in all the boxes together?
 [www.competoid.com]

- (a) 1176 (b) 98 (c) 1216 (d) 168

Answer: 1176

There are four consecutive even integers. Sum of the reciprocals of the first two number is $\left(\frac{11}{60}\right)$. Find the reciprocal of third largest number of the series.
 [www.sawaal.com]

- (a) $\frac{1}{12}$ (b) $\frac{2}{14}$ (c) $\frac{1}{14}$ (d) $\frac{2}{13}$

There are several peacocks and deers in a cage (with no other types of animals). There are 72 heads and 200 feet inside the cage. How many peacocks are there, and how many deers?
 [www.sawaal.com]

- (a) 42 & 24 (b) 38 & 26 (c) 36 & 24 (d) 44 & 28

There are two Examination rooms A and B. If 10 candidates are sent from A to B, the number of students in each room is the same. If 20 candidates are sent from B to A, the number of students in A is double the number of students in B. Find the number of students in each room.
 [www.competoid.com]

- (a) 100 in A and 80 in B (b) 80 in A and 100 in B
 (c) 120 in A and 100 in B (d) 100 in A and 120 in B

Answer: 100 in A and 80 in B

There are two numbers such that the sum of twice the first number and thrice the second number is 100 and the Sum of thrice the first number and twice the second number is 120. Which is the larger number?
 [www.sawaal.com; www.competoid.com]

- (a) 32 (b) 12 (c) 14 (d) 35

There is a 3 digit number. 3rd digit is the square root of the 1st digit. 2nd digit is the sum of 1st and 3rd. And that number is divisible by 2,3,6,7. What is that number?
 [www.sawaal.com]

- (a) 121 (b) 943 (c) 462 (d) None

There is a three digit number. The digit at the tenth place is 3. If the place of all the digits are replaced with each other symmetrically about the tens position, then the new number obtained is 396 more than the original three digit number. The sum of the digits at unit & hundredth place is 14. Find out the original number?
 [www.sawaal.com]

- (a) 513 (b) 539 (c) 439 (d) 613

Three – fifth of a number is equal to 70% of another number. What is the ratio between the first number and second number?
 [www.examveda.com]

- (a) 4 : 7 (b) 3 : 4 (c) 7 : 8 (d) 7 : 6

Three numbers which are co – prime to one another are such that the product of the first two is 551 and that of last two is 1073. The sum of the three numbers is:
 [www.examveda.com]

- (a) 75 (b) 81 (c) 85 (d) 89

Thrice the square of a natural number decreased by four times the number is equal to 50 more than the number, the number is—
[www.examveda.com]

- (a) 6 (b) 5
(c) 10 (d) 6 **(b)**

To win an election, a candidate needs $\frac{3}{4}$ of the votes cast. if after $\frac{2}{3}$ of the votes have been counted, a candidate has $\frac{5}{6}$ of what he needs, then what part of the remaining votes does he still need?
[www.competoid.com]

- (a) $\frac{1}{8}$ (b) $\frac{7}{12}$
(c) $\frac{1}{4}$ (d) $\frac{3}{8}$

Answer: 7/12

To write all the page numbers of a book, exactly 136 times digit 1 has been used. Find the number of pages in the book.
[www.examveda.com]

- (a) 190 (b) 195
(c) 210 (d) 220 **(b)**

Twice the square of a number is more than eleven times the number by 21. The number can have which of the following values ?
[www.competoid.com]

- (a) 4 or $-\frac{7}{2}$ (b) 7 or $-\frac{3}{2}$
(c) 3 or $-\frac{7}{2}$ (d) $\frac{9}{2}$ or -4

Answer: 7 or -32-32

Twice the square of a number is six times the other number. What is the ratio between the first number and the second number?
[www.competoid.com]

- (a) 1 : 4 (b) 2 : 5
(c) 1 : 3 (d) Cannot be determined

Answer: Cannot be determined

Two bus tickets from city K to L and three tickets from city K to M cost Rs. 77, but three tickets from city K to L and two tickets from city K to M cost Rs. 73. What are the fares for cities L and M from K ?
[www.sawaal.com]

- (a) Rs. 13 and Rs. 17 (b) Rs. 17 and Rs. 19
(c) Rs. 23 and Rs. 17 (d) Rs. 13 and Rs. 19 **(a)**

Two numbers are in the ratio 3 : 4. If their LCM is 240, the smaller of two number is
[www.examveda.com]

- (a) 100 (b) 80
(c) 60 (d) 50 **(c)**

Two numbers are in the ratio 3 : 5. If each number is increased by 10, the ratio becomes 5 : 7. The numbers are
[www.competoid.com]

- (a) 3, 5 (b) 7, 9
(c) 15, 25 (d) None of these

Answer: 15, 25

Two numbers are such that the ratio between them is 2 : 3 But if each is increased by 20, the ratio between them becomes 4 : 5, then the numbers are
[www.competoid.com]

- (a) 16, 24 (b) 24, 48
(c) 20, 30 (d) 10, 30

Answer: 20, 30

Two numbers are such that the sum of twice the first number and thrice the second number is 36 and the sum of thrice the first number and twice the second number is 39. Which is the smaller number? [www.competoid.com]

- (a) 9 (b) 5
(c) 7 (d) None of these

Answer: None of these

Two prime numbers A, B ($A < B$) A, are called twin primes if they differ by 2 (e.g. 11, 13, or 41, 43). If A and B are twin primes with $B > 23$, then which of the following numbers would always divide $A + B$?
[www.lofoya.com]

- (a) 12 (b) 8
(c) 24 (d) None of these **(a)**

Two third of one eighth of a number is 40. Find that number.
[www.competoid.com]

- (a) 480 (b) 420
(c) 460 (d) 410

Answer: 480

Two third of one-fourth of a number is forty per cent of another number. Which of the following statement is true about these numbers ?
[www.competoid.com]

- (a) The second number is 2.4 times the first number
(b) The first number is 2.4 times the second number
(c) The first number is forty per cent of the second number

(d) The second number is sixty per cent less than the first number

Answer: The first number is 2.4 times the second number

- ## Two times a two-digit number is 9 times the number obtained by reversing the digits and sum of the digits is 9. The number is [www.competoid.com]

(a) 72 (b) 54
(c) 63 (d) 81

Answer: 81

- ## Two-third of the first number is equal to the cube of the second number. If the second number is equal to twelve percent of 50, what is the sum of the first and the second number? [www.competoid.com]

(a) 330 (b) 360
(c) 390 (d) 372

Answer: 330

- ## Two-third of three-fourth of one-fifth of a number is 15. What is 30 per cent of that number? [www.competoid.com]

(a) 45 (b) 60
(c) 75 (d) 30

Answer: 45

- ## What is the greater of two numbers whose product is 1092 and the sum of the two numbers exceeds their difference by 42? [www.competoid.com]

(a) 48 (b) 44
(c) 52 (d) 54

Answer: 52

- ## What is the greatest of 3 consecutive integers whose sum is 24? [www.sawaal.com]

(a) 6 (b) 7
(c) 8 (d) 9

- ## What is the least number of soldiers that can be drawn up in troops of 12, 15, 18 and 20 soldiers and also in form of a solid square? [www.examveda.com]

(a) 900 (b) 400
(c) 1600 (d) 2500

- ## What is the least number of square tiles required to pave the floor of a room 15 m 17 cm long and 9 m 2 cm broad? [www.examveda.com]

(a) 840 (b) 841
(c) 820 (d) 814

- ## What is the least value assigned to # so that the number 63576#2 is divisible by 8? [www.competoid.com]

(a) 2 (b) 3
(c) 4 (d) None of these

Answer: 3

- ## What is the maximum value of mm such that 7m divides into 14! evenly? [www.lofoya.com]

(a) 1 (b) 2
(c) 3 (d) 4

- ## What is the minimum number of square marbles required to tile a floor of length 5 metres 78 cm and width 3 metres 74 cm? [www.lofoya.com]

(a) 176 (b) 187
(c) 540 (d) 748

- ## What is the place value of 6 in 65489203? [www.competoid.com]

(a) 6×105 (b) 6×104
(c) 6×107 (d) 6×108

Answer: $6 \times 1076 \times 107$

- ## What is the remainder when $9^1 + 9^2 + 9^3 + \dots + 9^8$ is divided by 6? [www.lofoya.com]

(a) 3 (b) 2
(c) 0 (d) 5

- ## What is the remainder when $x40 + 2$ is divided by $x4 + 1$? [www.competoid.com]

(a) 1 (b) 2
(c) 3 (d) 4

Answer: 3

- ## What is the right most integer of the expression $65776759 + 54697467$? [www.sawaal.com]

(a) 4 (b) 6
(c) 9 (d) 0

- ## What is the sum of all positive integers lying between 200 and 400 that are multiples of 7? [www.competoid.com]

(a) 8729 (b) 8700
(c) 8428 (d) 8278

Answer: 8729

- ## What is the unit digit in $(4137)^{754}$? [www.indiabix.com]

(a) 1 (b) 3
(c) 7 (d) 9

- ## What is the unit digit in $\{(6374)^{1793} \times (625)^{317} \times (341^{491})\}$? [www.indiabix.com; www.examveda.com]

(a) 0 (b) 2
(c) 3 (d) 5

- ## What is the unit place digit in the expansion of 773 ? [www.sawaal.com]

- (a) 1 (b) 3 (c) 7 (d) 9 **C**
- ## What is the value of M and N respectively if $M39048458N$ is divisible by 8 and 11, where M and N are single digit integers? [www.lofoya.com]
- (a) 7, 8 (b) 8, 6 (c) 6, 4 (d) 5, 4 **C**
- ## What least number must be subtracted from 13601, so that the remainder is divisible by 87? [www.sawaal.com; www.indiabix.com]
- (a) 23 (b) 31 (c) 29 (d) 37 **C**
- ## What least number must be subtracted from 518, so that the sum is completely divisible by 13? [www.sawaal.com]
- (a) 11 (b) 10 (c) 9 (d) 12 **A**
- ## What least value must be given to * so that the number $6487*62$ is divisible by 9? [www.competoid.com]
- (a) 2 (b) 3 (c) 5 (d) 7
- Answer: 3
- ## What number should be added to 231228 to make it exactly divisible by 33? [www.competoid.com]
- (a) 1 (b) 2 (c) 3 (d) 4
- Answer: 3
- ## What number should be subtracted from $x^3 + 4x^2 - 7x + 12$, if it is to be perfectly divisible by $x + 3$? [www.lofoya.com]
- (a) 42 (b) 39 (c) 13 (d) None of these **A**
- ## What should be the maximum value of B in the following equation? $8A9 - 6B2 + 4C6 = 723$ [www.sawaal.com]
- (a) 4 (b) 1 (c) 5 (d) 7 **D**
- ## What smallest number should be added to 4456 so that the sum is completely divisible by 6? [www.sawaal.com; www.indiabix.com]
- (a) 4 (b) 3 (c) 2 (d) 1 **C**
- ## What value will you obtain if twenty five per cent of 2340 is subtracted from four-ninth of square of 36? [www.competoid.com]
- (a) 9 (b) -18 (c) 18 (d) -9
- Answer: -9
- ## What will be the next set of numbers in the series? (2,3), (3,5), (5,7), (7,11), (11,13), _____ [www.sawaal.com]
- (a) 13, 15 (b) 15, 17 (c) 13, 17 (d) 13, 19 **C**
- ## When 242 is divided by a certain divisor the remainder obtained is 8. When 698 is divided by the same divisor the remainder obtained is 9. However, when the sum of the two numbers 242 and 698 is divided by the divisor, the remainder obtained is 4. What is the value of the divisor? [www.lofoya.com]
- (a) 11 (b) 17 (c) 13 (d) 23 **C**
- ## When a two-digit odd number is divided by a two digit even number, the quotient is 0.625. If the odd number is 5 less than the even number, then which of the following will definitely be the ratio of odd and even numbers respectively? [www.competoid.com]
- (a) 5 : 8 (b) 8 : 5 (c) 6 : 9 (d) Cannot be determined
- Answer: 5 : 8
- ## When all the students in a school are made to stand in rows of 54, 30 such rows are formed. If the students are made to stand in the rows of 45. how many such rows can be formed? [www.competoid.com]
- (a) 25 (b) 42 (c) 36 (d) 32
- Answer: 36
- ## When an integer K is divided by 3 the remainder is 1, and when $K + 1$ is divided by 5, The remainder is '0'. Of the following the possible value of K is— [www.examveda.com]
- (a) 62 (b) 63 (c) 64 (d) 65 **C**
- ## When the square of any odd number, greater than 1, is divided by 8, it always leaves remainder: [www.examveda.com]
- (a) 1 (b) 6 (c) 8 (d) Cannot be determined **A**
- ## When two three digit numbers $6x3$ and $2y5$ are added together, that number is divisible by 9. The largest possible value of $x+y$ is [www.competoid.com]

- (a) 2 (b) 9
(c) 12 (d) 11

Answer: 11

When we reverse the digits of the number 13, the increases by 18. How many other two digit numbers increases by 18 when their digits are reversed?

[www.examveda.com]

- (a) 5 (b) 6
(c) 7 (d) 8
(e) 10

When writing numbers from 1 to 10,000, how many times is the digit 9 written?

[www.lofoya.com]

- (a) 3200 (b) 3600
(c) 4000 (d) 4200

Which is the smallest number which, when multiplied by 3, will give a number entirely of 8 digits.

[www.competoid.com]

- (a) 296 (b) 18
(c) 16 (d) None of these

Answer: 296

Which natural number is nearest to 8485, which is completely divisible by 75?

[www.indiabix.com; www.sawaal.com]

- (a) 8475 (b) 8500
(c) 8550 (d) 8525
(e) None of these

Which natural number is nearest to 9217, which is completely divisible by 88?

[www.indiabix.com]

- (a) 9152 (b) 9240
(c) 9064 (d) 9184
(e) None of these

Which of the following is a prime number?

[www.examveda.com]

- (a) 19 (b) 20
(c) 21 (d) 22

Which of the following is a prime number?

[www.examveda.com]

- (a) 115 (b) 119
(c) 127 (d) None of these

Which of the following is a rational number?

[www.sawaal.com]

- (a) 0.241 (b) 1.732
(c) 4 (d) All of the above

Which of the following is equal to 34.33?

[www.competoid.com]

- (a) 37 (b) 312

- (c) 67 (d) 912

Answer: 3737

Which of the following is equivalent to 0.565656...?

[www.sawaal.com]

- (a) $\frac{56}{100}$ (b) $\frac{56}{100}$
(c) $\frac{56}{99}$ (d) $\frac{560}{90}$

(c)

Which of the following is second largest ?

[www.competoid.com]

- (a) $138.6 - 38.4 + 479.3$ (b) $36.5 - 844.6 + 1289$
(c) $931 - 564 + 156$ (d) $130 - 461 + 888$

Answer: $130 - 461 + 888$

Which of the following is the largest ? (You are not expected to calculate the exact value)

[www.competoid.com]

- (a) $(56 \times 15) \div (4)2$ (b) $(25 \times 72) \div (6)2$
(c) $(6 \times 441) \div (7)2$ (d) $(32 \times 48) \div (26)$

Answer: $(32 \times 48) \div (26)$

Which of the following is the smallest ? (You are not expected to calculate the exact value)

[www.competoid.com]

- (a) $\left(\frac{5}{9} \text{ of } 1250\right)^{\frac{1}{2}}$ (b) $\left(\frac{7}{13} \text{ of } 4112\right)^{\frac{1}{3}}$
(c) $\left(\frac{5}{19} \text{ of } 3221\right)^{\frac{1}{2}}$ (d) $\left(\frac{15}{11} \text{ of } 412\right)^{\frac{1}{2}}$

Answer: $(1511 \text{ of } 412)12$

Which of the following number is divisible by 24?

[www.examveda.com; www.indiabix.com]

- (a) 35718 (b) 63810
(c) 537804 (d) 3125736
(e) None of these

Which of the following numbers always divides the difference between the squares of two consecutive odd integers?

[www.competoid.com]

- (a) 7 (b) 3
(c) 8 (d) 6

Answer: 8

Which of the numbers given below is NOT rational?

[www.sawaal.com]

- (a) $3\sqrt{8}$ (b) $3\sqrt{64}$
(c) $\sqrt{64}$ (d) $\sqrt{8}$

Which one of the following is a prime number?

[www.indiabix.com]

- (a) 119 (b) 187

- (c) 247 (d) 551
 (e) None of these (e)
- ## Which one of the following numbers is completely divisible by 99?** [www.indiabix.com]
- (a) 3572404 (b) 135792
 (c) 913464 (d) 114345
 (e) None of these (d)
- ## Which one of the following numbers is divisible by 11?** [www.competoid.com]
- (a) 45678940 (b) 54857266
 (c) 87524398 (d) 93455120
- Answer:** 93455120
- ## Which one of the following numbers is exactly divisible by 11?** [www.indiabix.com]
- (a) 235641 (b) 245642

- (c) 315624 (d) 415624 (d)
- ## Which one of the following numbers is not a square of any natural number?** [www.examveda.com]
- (a) 17956 (b) 18225
 (c) 63592 (d) 53361 (c)
- ## While solving a problem, by mistake, Anita squared a number and then subtracted 25 from it rather than first subtracting 25 from the number and then squaring it. But she got the right answer. What was the given number?** [www.examveda.com]
- (a) 48 (b) Cannot be determined
 (c) 13 (d) 38 (c)

2

H.C.F. & L.C.M. of Numbers

- ## A man has given one-fourth part of his property to his daughter, half part to his sons and one-fifth part given as charity. How much part of his property he has given?

[www.competoid.com]

- (a) $\frac{1}{20}$ (b) $\frac{19}{20}$
(c) $\frac{1}{10}$ (d) $\frac{9}{10}$ **(b)**

- ## the difference between the numerator and the denominator, the fraction is decreased by $1\frac{1}{4}$. Find the value of the fraction.

[www.examveda.com]

- (a) $\frac{1}{6}$ (b) $2\frac{1}{4}$
(c) $3\frac{1}{4}$ (d) 66 **(b)**

- ## 54, 60 LCM is

[www.sawaal.com]

- (a) 600 (b) 540
(c) 60 (d) 54 **(b)**

- ## A farmer has 945 cows and sheep. He farms them into flocks, keeping cows and sheep separate and having the same number of animals in each flock. If these flocks are as large as possible, then the maximum number of animals in each flock and total number of flocks required for the purpose are respectively?

[www.examveda.com]

- (a) 15 and 228 (b) 9 and 380
(c) 45 and 76 (d) 46 and 75 **(c)**

- ## A milk vendor has 21 litres of cow milk, 42 litres of toned milk and 63 litres of double toned milk. If he wants to pack them in cans, so that each can contains same litres of milk and does not want to mix any two kinds of milk in a can, then the least number of cans required is = ?

[www.examveda.com]

- (a) 3 (b) 6
(c) 9 (d) 12 **(b)**

- ## A milkman has 75 litres milk in one can and 45 litres in another. The maximum capacity

of container which can measure milk of either container exact number ?

[www.examveda.com]

- (a) 1 litre (b) 5 litres
(c) 15 litres (d) 25 litres **(c)**

- ## A number x is divided by 7. When this number is divided by 8, 12 and 16. It leaves a remainder 3 in each case. The least value of x is = ?

[www.examveda.com]

- (a) 148 (b) 149
(c) 150 (d) 147 **(d)**

- ## A room is 6 meters 24 centimeters in length and 4 meters 32 centimeters in Width. Find the least number of square tiles of equal size required to cover the entire floor of the room.

[www.sawaal.com]

- (a) 107 (b) 117
(c) 127 (d) 137 **(b)**

- ## Find the greatest number of five digits which when divided by 3, 5, 8, 12 leaves 2 as remainder ?

[www.examveda.com]

- (a) 99999 (b) 99948
(c) 99962 (d) 99722 **(c)**

- ## Find the HCF of 3341 and 3328.

[www.sawaal.com]

- (a) 257 (b) 337
(c) 13 (d) 31 **(c)**

- ## Find the HCF of 865 and 2595.

[www.sawaal.com]

- (a) 25 (b) 2595
(c) 865 (d) 5 **(c)**

- ## Find the least common multiple of 15 and 12?

[www.sawaal.com]

- (a) 3 (b) 12
(c) 30 (d) 60 **(d)**

- ## H.C.F of 3240, 3600 and a third number is 36 and their L.C.M is $2^4 \times 3^5 \times 5^2 \times 7^2$. What is the third number?

[www.sawaal.com]

- (a) 47628 (b) 49874
(c) 24157 (d) 42146 **(a)**

H.C.F of $4 \times 27 \times 3125$, $8 \times 9 \times 25 \times 7$ and $16 \times 81 \times 5 \times 11 \times 49$ is

[www.sawaal.com]

- (a) 180 (b) 360
(c) 540 (d) 1260 **a**

HCF and LCM of two numbers are 7 and 140 respectively, If the numbers are between 20 and 45 the sum of the numbers is = ?

[www.examveda.com]

- (a) 70 (b) 77
(c) 63 (d) 56 **c**

HCF of 1, 2, 3?

[www.sawaal.com]

- (a) 3 (b) 2
(c) 1 (d) 0 **c**

HCF of $\frac{2}{3}$, $\frac{4}{5}$ and $\frac{6}{7}$ is = ?

[www.examveda.com]

- (a) $\frac{48}{105}$ (b) $\frac{2}{105}$
(c) $\frac{1}{105}$ (d) $\frac{24}{105}$ **b**

If HCF of two numbers is 8, which of the following can never be their LCM?

[www.sawaal.com]

- (a) 32 (b) 48
(c) 60 (d) 152 **c**

If N is the greatest number that will divide 1305, 4665 and 6905, leaving the same remainder in each case. What is the sum of the digits of N ?

[www.sawaal.com]

- (a) 6 (b) 8
(c) 4 (d) 9 **c**

If the HCF of 210 and 55 is expressible in the form of $210x + 55P$, then value of P = ?

[www.sawaal.com]

- (a) -23 (b) 27
(c) 16 (d) -19 **d**

If the product of two numbers is 3026 and their LCM is 89, then their HCF is :

[www.sawaal.com]

- (a) 33 (b) 34
(c) 35 (d) 29 **b**

If x:y be the ratio of two whole numbers and z be their HCF of those two number is = ?

[www.examveda.com]

- (a) yz (b) $\frac{xz}{y}$

(c) $\frac{xy}{z}$

(d) xyz

d

In a palace, three different types of coins are there namely gold, silver and bronze. The number of gold, silver and bronze coins is 18000, 9600 and 3600 respectively. Find the minimum number of rooms required if in each room should give the same number of coins of the same type ?

[www.sawaal.com]

- (a) 26 (b) 24
(c) 18 (d) 12 **a**

L.C.M. of two numbers is 2079 and their H.C.F. is 27. If one of the number is 189, the other number is = ?

[www.examveda.com]

- (a) 297 (b) 584
(c) 189 (d) 216 **a**

LCD of 12 and 18

[www.sawaal.com]

- (a) 36 (b) 42
(c) 12 (d) 6 **a**

LCM of 80, 85, 90

[www.sawaal.com]

- (a) 11440 (b) 11998
(c) 12240 (d) 12880 **c**

LCM of two co-prime numbers a and b is (a is greater than b):

[www.sawaal.com]

- (a) a (b) a+b
(c) ab (d) b **c**

Let x be the last number, which when divided by 5, 6, 7 and 8 leaves a remainder 3 in each case but when divided by 9 leaves remainder 0, the sum of digits of x is = ?

[www.examveda.com]

- (a) 24 (b) 21
(c) 22 (d) 18 **d**

Let x be the smallest number, which when added to 2000 make the resulting number divisible by 12, 16, 18 and 21. The sum of the digits of x is = ?

[www.examveda.com]

- (a) 6 (b) 5
(c) 7 (d) 8 **c**

The difference between the greatest and least prime numbers which are less than 100 is = ?

[www.examveda.com]

- (a) 95 (b) 96
(c) 97 (d) 94 **a**

The difference of two numbers is 14. Their LCM and HCF are 441 and 7. Find the two numbers ?

[www.sawaal.com]

- (a) 63 and 49 (b) 64 and 48
(c) 62 and 46 (d) 64 and 49 **a**

The greatest 4 - digit number exactly divisible by 10, 15, 20 is = ?

[www.examveda.com]

- (a) 9990 (b) 9960
(c) 9980 (d) 9995 **b**

The greatest number for four digits which when divided by 12, 16, and 24 leave remainder 2, 6 and 14 respectively is = ?

[www.examveda.com]

- (a) 9974 (b) 9970
(c) 9807 (d) 9998 **a**

The greatest number of four digits which is divisible by 15, 25, 40 and 75 is: [www.indiabix.com; www.examveda.com]

- (a) 9000 (b) 9400
(c) 9600 (d) 9800 **c**

The greatest number that will divide 729 and 901 leaving remainder 9 and 5 respectively is = ?

[www.examveda.com]

- (a) 15 (b) 16
(c) 19 (d) 20 **b**

The greatest number which on dividing 1657 and 2037 leaves remainders 6 and 5 respectively, is:

[www.examveda.com; www.indiabix.com; www.sawaal.com]

- (a) 123 (b) 127
(c) 235 (d) 305 **b**

The greatest number which when divides 989 and 1327 leave remainder 5 and 7 respectively = ?

[www.examveda.com]

- (a) 8 (b) 16
(c) 24 (d) 32 **c**

The H.C.F and L.C.M of two numbers are 84 and 21 respectively. If the ratio of the two numbers is 1 : 4, then the larger of the two numbers is

[www.sawaal.com]

- (a) 12 (b) 48
(c) 84 (d) 108 **c**

The H.C.F and L.C.M of two numbers are 11 and 385 respectively. If one number lies

between 75 and 125, then that number is

[www.sawaal.com]

- (a) 77 (b) 88
(c) 99 (d) 110 **a**

The H.C.F of $24 \times 32 \times 53 \times 7$, $23 \times 33 \times 52 \times 72$ and $3 \times 5 \times 7 \times 11$ is = ?

[www.examveda.com]

- (a) 105 (b) 1155
(c) 2310 (d) 27720 **a**

The H.C.F of $4 \times 27 \times 3125$, $8 \times 9 \times 25 \times 7$ and $16 \times 81 \times 5 \times 11 \times 49$ is = ?

[www.examveda.com]

- (a) 180 (b) 360
(c) 540 (d) 1260 **a**

The H.C.F. of two numbers is 11 and their L.C.M. is 7700. If one of the numbers is 275, then the other is: [www.examveda.com; www.indiabix.com]

- (a) 279 (b) 283
(c) 308 (d) 318 **c**

The H.C.F. of two numbers is 23 and the other two factors of their L.C.M. are 13 and 14. The larger of the two numbers is:

[www.examveda.com; www.indiabix.com]

- (a) 276 (b) 299
(c) 322 (d) 345 **c**

The HCF (GCD) of a, b is 12, a, b are positive integers and $a > b > 12$. The smallest values of (a, b) are respectively ?

[www.examveda.com]

- (a) 12, 34 (b) 24, 12
(c) 24, 36 (d) 36, 24 **d**

The HCF and LCM of two 2 - did it number are 16 and 480 respectively. The numbers are ?

[www.examveda.com]

- (a) 40, 48 (b) 60, 72
(c) 62, 80 (d) 80, 96 **d**

The HCF and LCM of two numbers are 12 and 924 respectively. Then the number of such pair is = ?

[www.examveda.com]

- (a) 0 (b) 1
(c) 2 (d) 3 **c**

The HCF and LCM of two numbers are 8 and 48 respectively. If one of the number is 24, then the other number is = ?

[www.examveda.com]

- (a) 48 (b) 36
(c) 24 (d) 16 **d**

- ## The HCF of two number 12906 and 14818 is 478. Their LCM is ?
[www.examveda.com]
(a) 400086 (b) 200043
(c) 600129 (d) 800172 **a**
- ## The HCF of two numbers , each having three digits, is 17 and their LCM is 714. The sum of the numbers will be ?
[www.examveda.com]
(a) 289 (b) 391
(c) 221 (d) 731 **c**
- ## The HCF of two numbers is 11 and their LCM is 330. If one of the number is 55. Find the other number.
[www.sawaal.com]
(a) 33 (b) 66
(c) 44 (d) 77 **b**
- ## The HCF of two numbers is 8. Which one of the following can never be their LCM ?
[www.examveda.com]
(a) 24 (b) 48
(c) 56 (d) 60 **d**
- ## The L.C.M of 22, 54, 108, 135 and 198 is
[www.sawaal.com]
(a) 330 (b) 1980
(c) 5940 (d) 11880 **c**
- ## The L.C.M of two numbers is 495 and their H.C.F is 5. If the sum of the numbers is 100, then their difference is
[www.sawaal.com]
(a) 10 (b) 46
(c) 70 (d) 90 **a**
- ## The largest 4 - digit number exactly divisible by each of 12, 15, 18 and 27 is?
[www.examveda.com]
(a) 9690 (b) 9720
(c) 9930 (d) 9960 **b**
- ## The largest measuring cylinder that can accurately fill 3 tanks of capacity 98, 182 and 266 litres each, is of capacity ?
[www.sawaal.com]
(a) 7 lts (b) 14 lts
(c) 98 lts (d) 42 lts **b**
- ## The LCM and HCF of two numbers are 4284 and 32, respectively. If one of the numbers is 672, then the second number is;
[www.sawaal.com]
(a) 102 (b) 64
(c) 204 (d) 92 **c**
- ## The LCM and the HCF of the numbers 28 and 42 are in the ratio ?
[www.examveda.com]
(a) 6 : 1 (b) 2 : 3
(c) 3 : 2 (d) 7 : 2 **a**
- ## The LCM of 16, 24, 36, 52 and 54 is?
[www.sawaal.com]
(a) 5618 (b) 5216
(c) 432 (d) 5616 **d**
- ## The LCM of 72 and 84 is:
[www.sawaal.com]
(a) $12 \times 6 \times 7$ (b) $6 \times 2 \times 7$
(c) $12 \times 7 \times 3$ (d) 72×84 **a**
- ## **The LCM of two numbers is 12 times their HCF. The sum of HCF and LCM is 403. If one number is 93, find the other = ?
[www.examveda.com]
(a) 124 (b) 128
(c) 134 (d) None of these **a**
- ## **The LCM of two numbers is 1820 and their HCF is 26. If one number is 130 then the other number is ?
[www.examveda.com]
(a) 70 (b) 1690
(c) 364 (d) 1264 **c**
- ## The least multiple of 7, which leaves a remainder of 4, when divided by 6, 9, 15 and 18 is:
[www.examveda.com; www.indiabix.com; www.sawaal.com]
(a) 74 (b) 94
(c) 184 (d) 364 **d**
- ## The least number which when divided by 4, 6, 8 and 9 leave zero remainder in each case and when divided by 13 leaves a remainder of 7 is = ?
[www.examveda.com]
(a) 144 (b) 72
(c) 36 (d) 85 **b**
- ## The least number which when divided by 4, 6, 8, 12 and 16 leaves remainder of 2 in each case is = ?
[www.examveda.com]
(a) 46 (b) 48
(c) 50 (d) 56 **c**
- ## The least number which when divided by 6, 9, 12, 15, 18 leaves the same remainder 2 in each case is = ?
[www.examveda.com]
(a) 180 (b) 176
(c) 182 (d) 178 **c**

The minimum value of LCM of given numbers is the product of all the given numbers.

[www.sawaal.com]

- (a) always greater than (b) always less than
(c) always equal to (d) None **d**

The number nearest to 10000, which is exactly divisible by each of 3, 4, 5, 6, 7 and 8 is = ?

[www.examveda.com]

- (a) 9240 (b) 10080
(c) 9996 (d) 10000 **b**

The product of two numbers is 396×576 and their LCM is 6336. Find their HCF = ?

[www.examveda.com]

- (a) 36 (b) 34
(c) 63 (d) 43 **a**

The simplest reduction to the lowest terms of $\frac{116690151}{427863887}$ is = ?

[www.examveda.com]

- (a) $\frac{3}{11}$ (b) $\frac{7}{11}$
(c) $\frac{11}{3}$ (d) None of these **a**

The smallest number, which when increased by 5 is divisible by each of 24, 32, 36 and 64 is ?

[www.examveda.com]

- (a) 869 (b) 859
(c) 571 (d) 427 **c**

The traffic lights at three different road crossings change after 24 seconds, 36 seconds, and 54 seconds respectively. If they all change simultaneously at 10:15:00 AM, then at what time will they again change simultaneously ?

[www.examveda.com]

- (a) 10:16:54 AM (b) 10:18:36 Am
(c) 10:17:02 AM (d) 10:22:12 AM **b**

Three different containers contain 1365 litres, 1560 litres and 1755 litres of mixtures of milk and water respectively. What biggest measure that can measure all the different quantities exactly ?

[www.sawaal.com]

- (a) 37 lit (b) 97 lit
(c) 129 lit (d) 195 lit **d**

Three friends J, K and L jog around a circular stadium and complete one round in

12, 18 and 20 seconds respectively. In how many minutes will all the three meet again at the starting point.

[www.sawaal.com]

- (a) 5 (b) 8
(c) 12 (d) 3 **d**

Three men step off together from the same spot. Their steps measure 63 cm, 70 cm and 77 cm respectively. The minimum distance each should cover so that all can cover the distance in complete steps is = ?

[www.examveda.com]

- (a) 9630 cm (b) 9360 cm
(c) 6930 cm (d) 6950 cm **c**

Three numbers are in the ratio of 3:4:5 and their L.C.M is 3600. Their HCF is:

[www.sawaal.com]

- (a) 40 (b) 60
(c) 100 (d) 120 **b**

**Two numbers are in the ratio 3:4. The product of their HCF and LCM is 2028. The sum of the numbers is = ?

[www.examveda.com]

- (a) 68 (b) 72
(c) 86 (d) 91 **d**

**Two numbers are in the ratio 3:4. Their LCM is 84. The greater number is ?

[www.examveda.com]

- (a) 21 (b) 24
(c) 28 (d) 84 **c**

**Two numbers are in the ratio 3:5 and their HCF is 20. Their LCM is

[www.sawaal.com]

- (a) 30 (b) 300
(c) 60 (d) 10 **b**

**Two numbers are in the ratio of 15 : 11. If their HCF is 13, then the greater number is?

[www.sawaal.com]

- (a) 195 (b) 125
(c) 175 (d) 125 **a**

Two pipes of length 1.5 m and 1.2 m are to be cut into equal pieces without leaving any extra length of pipes. The greatest length of the pipe pieces of same size which can be cut from these two lengths will be = ?

[www.examveda.com]

- (a) 0.13 m (b) 26 m
(c) 0.3 m (d) 0.41 m **c**

What is the HCF of 6345 and 2160?

[www.sawaal.com]

- (a) 45 (b) 135
(c) 270 (d) 15

What is the least number which when divided by the number 3, 5, 6, 8, 10 and 12 leaves in each case a remainder 2 but when divided by 22 leaves no remainder ?

[www.examveda.com]

- (a) 312 (b) 242
(c) 1562 (d) 1586

(b)

(b)

What least number must be subtracted from 1936 so that the resulting number when divided by 9, 10 and 15 will leave in each case the same remainder 7 ?

[www.examveda.com]

- (a) 37 (b) 36
(c) 39 (d) 30

(c)

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3

Decimal Fractions

$\frac{5 \times 1.6 - 2 \times 1.4}{1.3} = ?$

[www.examveda.com; www.indiabix.com]

- (a) 0.4 (b) 1.2
(c) 1.4 (d) 4

d

$\frac{16}{3} =$

[www.sawaal.com]

- (a) 5.33 (b) 6
(c) 5.74 (d) 5.68

a

$\frac{5}{8}$ as a Decimal Equals To

[www.sawaal.com]

- (a) 0.625 (b) 0.541
(c) 0.258 (d) 0.147

a

$\frac{3}{8}$ as a decimal

[www.sawaal.com]

- (a) 1.375 (b) 2.375
(c) 0.375 (d) 3.75

c

Correct expression of 6.46 is

[www.sawaal.com]

- (a) $\frac{640}{99}$ (b) $\frac{640}{90}$
(c) $\frac{64000}{99}$ (d) $\frac{640}{9}$

a

125 over 1000 in Simplest Form?

[www.sawaal.com]

- (a) $\frac{2}{9}$ (b) $\frac{1}{8}$
(c) $\frac{3}{8}$ (d) $\frac{4}{7}$

b

$34.95 + 240.016 + 23.98 = ?$

[www.examveda.com; www.indiabix.com]

- (a) 298.0946 (b) 298.111
(c) 298.946 (d) 299.09

c

$3889 + 12.952 - ? = 3854.002$

[www.examveda.com; www.indiabix.com]

- (a) 47.095 (b) 47.752
(c) 47.932 (d) 47.95

d

Express $\frac{3}{8}$ and $\frac{1}{10}$ as a Decimals?

[www.sawaal.com]

- (a) 1.375 & 1 (b) 0.375 & 1
(c) 13.75 & 1.1 (d) 0.375 & 0.1

d

Given, $168 \times 32 = 5376$, then $5.376 \div 16.8$ is equal to :

[www.examveda.com]

- (a) 0.032 (b) 0.32
(c) 3.2 (d) 32

b

If two fractions, each of which has a value between 0 and 1, are multiplied together, the product will be :

[www.sawaal.com]

- (a) always greater than either of the original fractions
(b) always less than either of the original fractions
(c) sometimes greater and sometimes less than either of the original fractions
(d) remains the same

b

Solve $\left(\frac{18}{4}\right)^2 \square \left(\frac{455}{19}\right) \div \left(\frac{61}{799}\right) = ?$

[www.examveda.com]

- (a) 6320 (b) 6400
(c) 6350 (d) 6430
(e) 6490

c

The correct expression of $6.\overline{46}$ in the fractional form is:

[www.examveda.com; www.indiabix.com]

- (a) $\frac{646}{99}$ (b) $\frac{64640}{1000}$
(c) $\frac{640}{100}$ (d) $\frac{640}{99}$

d

The expression : $\frac{3}{4} + \frac{5}{36} + \frac{7}{144} + \dots + \frac{17}{5184} + \frac{19}{8100}$ is equal to :

[www.examveda.com]

- (a) 0.9 (b) 0.95
(c) 0.99 (d) 1.91

c

The least among the following is:

- (a) 0.2 (b) $1 \div 0.2$
(c) 0.2 (d) $(0.2)^2$

d

The least among the following is:

[www.indiabix.com]

- (a) 0.2 (b) $1 \div 0.2$
(c) 0.2 (d) $(0.2)^2$

d

The value of $\frac{0.1 \times 0.1 \times 0.1 + 0.02 \times 0.02 \times 0.02}{0.2 \times 0.2 \times 0.2 + 0.04 \times 0.04 \times 0.04}$

[www.examveda.com]

- (a) 0.0125 (b) 0.125
(c) 0.25 (d) 0.5

b

The value of $\frac{(0.96)^3 - (0.1)^3}{(0.96)^2 + 0.096 + (0.1)^2}$ is:

[www.examveda.com; www.indiabix.com]

- (a) 0.86 (b) 0.95
(c) 0.97 (d) 1.06

a

The value of $\frac{89.1375 \times 0.0483 \times 1.956}{0.0873 \times 92.581 \times 99.749}$ is closest to:

[www.indiabix.com]

- (a) 0.006 (b) 0.06
(c) 0.6 (d) 6

b

What is the quotient of $\frac{18}{1000}$?

[www.sawaal.com]

- (a) 1.8 (b) 0.18
(c) 0.018 (d) 0.0018

c

What is $\frac{1}{5}$ as a decimal?

[www.sawaal.com]

- (a) 0.333 (b) 0.666

- (c) 0.200 (d) 0.452

c

What will be the vulgar fraction of 0.75 ?

[www.sawaal.com]

- (a) $\frac{3}{5}$ (b) $\frac{3}{4}$
(c) $\frac{3}{2}$ (d) $\frac{3}{7}$

b

When 0.46 is written in simplest form, the sum of the numerator and the denominator is ?

[www.sawaal.com]

- (a) 69 (b) 73
(c) 96 (d) 41

b

If the numerator of a fraction is increased by $\frac{1}{4}$ and the denominator is decreased by $\frac{1}{3}$, the new fraction obtained is $\frac{33}{64}$. What was the original fraction ?

[www.examveda.com]

- (a) $\frac{3}{7}$ (b) $\frac{5}{7}$
(c) $\frac{7}{9}$ (d) Cannot be determined
(e) None of these

d

4

Simplification

$\frac{(469 + 174)2 - (469 - 174)2}{469 \times 174} = ?$

[www.examveda.com; www.indiabix.com]

- (a) 2 (b) 4
(c) 295 (d) 643

b

$\frac{4\frac{1}{7} - 2\frac{1}{4}}{3\frac{1}{2} + 1\frac{1}{7}} \div \frac{1}{2 + \frac{1}{2 + \frac{1}{2 + \frac{1}{5 - \frac{1}{5}}}}}$ equal

to = ?

[www.examveda.com]

- (a) 1 (b) 4
(c) 3 (d) 2

a

$\sqrt{0.00060516}$ is equal to = ?

[www.examveda.com]

- (a) 0.0246 (b) 0.00246
(c) 0.246 (d) 0.000246

a

##

Error! is equal to = ?

[www.examveda.com]

- (a) 12 (b) 11
(c) 10 (d) 15

c

$\frac{(7.5)3 + 1}{(7.5)2 - 6.5}$ is equal to = ?

[www.examveda.com]

- (a) 2.75 (b) $\frac{9}{5}$
(c) 4.75 (d) 8.5

d

$\left[4 - \frac{5}{1 + \frac{1}{3 + \frac{1}{2 + \frac{1}{4}}}} \right]$ part of a journey takes

ten minutes, then to complete $\frac{3}{5}$ th of that journey, it will take = ?

[www.examveda.com]

- (a) 40 minutes (b) 45 minutes
(c) 48 minutes (d) 36 minutes

c

Evaluate : $\frac{-(4-6)2-3(-2)+|-6|}{18-9 \div 3 \times 5}$

[www.examveda.com]

- (a) $\frac{3}{8}$ (b) $\frac{4}{7}$
(c) $\frac{8}{3}$ (d) $\frac{7}{4}$

c

Free notebooks were distributed equally among children of a class. The number of notebooks each child got was one-eighth of the number of children. Had the number of children been half, each child would have got 16 notebooks. Total how many notebooks were distributed ?

[www.examveda.com; www.indiabix.com]

- (a) 256 (b) 432
(c) 512 (d) 640
(e) None of these

c

Given that $\sqrt{13} = 3.6$ and $\sqrt{130} = 11.4$, then the value of $\sqrt{13} + \sqrt{1300} + \sqrt{0.013}$ is equal to = ?

[www.examveda.com]

- (a) 36.164 (b) 637.254
(c) 39.714 (d) 37.154

c

If $\sqrt{3} = 1.7321$, then the value of $\sqrt{192} - \frac{1}{2}\sqrt{48} - \sqrt{75}$, correct to 3 place of decimal, is = ?

[www.examveda.com]

- (a) 8.661 (b) 4.331
(c) 1.732 (d) -1.732

c

If the expression $2\frac{1}{2}$ of $\frac{3}{4}$ $\square$ $\frac{1}{2} \div \frac{3}{2} + \frac{1}{2} \div \frac{3}{2}$

$\left[\frac{2}{3} - \frac{1}{2} \text{ of } \frac{2}{3} \right]$ is simplified, we get -

- (a) $\frac{1}{2}$ (b) $\frac{7}{8}$
(c) $1\frac{5}{8}$ (d) $2\frac{3}{5}$

c

If $x = \frac{1}{2 + \frac{1}{2}}$ then $\frac{1}{x} = ?$

[www.examveda.com]

- (a) $\frac{2}{5}$ (b) $\frac{5}{2}$
 (c) $\frac{3}{5}$ (d) $\frac{1}{2}$ **(b)**
- ## If $\frac{547.527}{0.0082} = x$, then the value of $\frac{547527}{82}$ is = ?
 [www.examveda.com]
 (a) $10x$ (b) $100x$
 (c) $\frac{x}{100}$ (d) $\frac{x}{10}$ **(d)**
- ## Let $a = (4 \div 3) \div 3 \div 4$, $b = 4 \div (3 \div 3) \div 4$, $c = 4 \div 3 \div (3 \div 4)$, The maximum value among the above three is?
 [www.examveda.com]
 (a) a (b) b
 (c) c (d) All equal **(c)**
- ## On simplification the value of $1 - \frac{1}{1 + \sqrt{2}} + \frac{1}{1 - \sqrt{2}}$ is = ?
 [www.examveda.com]
 (a) $2\sqrt{2} - 1$ (b) $1 - 2\sqrt{2}$
 (c) $1 - \sqrt{2}$ (d) $-2\sqrt{2}$ **(b)**
- ## Simplify : $\frac{\frac{1}{3} + \frac{1}{4} \left[\frac{2}{5} - \frac{1}{2} \right]}{1 \frac{2}{3} \text{ of } \frac{3}{4} - \frac{3}{4} \text{ of } \frac{4}{5}} = ?$
 [www.examveda.com]
 (a) $\frac{37}{78}$ (b) $\frac{37}{13}$
 (c) $\frac{74}{78}$ (d) $\frac{74}{13}$ **(a)**
- ## Solve : $128.43 + 30.21 + ? = 173$
 [www.examveda.com]
 (a) 35.66 (b) 29.66
 (c) 43.66 (d) 24.66
 (e) 14.36 **(e)**
- ## The number of pairs of natural numbers the difference of whose squares is 45 will be ?
 [www.examveda.com]
 (a) 2 (b) 3
 (c) 6 (d) 5 **(b)**
- ## The number, whose square is equal to the difference of the squares of 75.15 and 60.12, is = ?
 [www.examveda.com]
 (a) 46.09 (b) 48.09
 (c) 45.09 (d) 47.09 **(c)**

- ## The price of 2 sarees and 4 shirts is Rs. 1600. With the same money one can buy 1 saree and 6 shirts. If one wants to buy 12 shirts, how much shall he have to pay ?
 [www.indiabix.com; www.examveda.com]
 (a) Rs. 1200 (b) Rs. 2400
 (c) Rs. 4800 (d) Cannot be determined
 (e) None of these **(b)**
- ## The simplified value of $[(0.111)3 + (0.222)3 - (0.333)3 + (0.333)2 (0.222)]3 = ?$
 [www.examveda.com]
 (a) 0.999 (b) 0
 (c) 0.888 (d) 0.111 **(b)**
- ## The simplified value of $\sqrt{5 + \sqrt{11 + \sqrt{19 + \sqrt{29 + \sqrt{49}}}}} = ?$
 [www.examveda.com]
 (a) 3 (b) 2
 (c) 4 (d) 6 **(a)**
- ## The simplified value of $\frac{\sqrt{32} + \sqrt{48}}{\sqrt{8} + \sqrt{12}}$ is = ?
 [www.examveda.com]
 (a) 3 (b) 2
 (c) 6 (d) 4 **(b)**
- ## The simplified value of Error! = ?
 [www.examveda.com]
 (a) 100 (b) $\frac{200}{101}$
 (c) 200 (d) $\frac{202}{100}$ **(b)**
- ## The square root of $\frac{0.342 \times 0.684}{0.000342 \times 0.000171} = ?$
 [www.examveda.com]
 (a) 250 (b) 2500
 (c) 2000 (d) 4000 **(c)**
- ## The value of $\frac{(a+b)2}{(a^2-b^2)}$ is = ?
 [www.examveda.com]
 (a) $\frac{ab}{a+b}$ (b) $\frac{2ab}{a-b}$
 (c) $\frac{a+b}{a-b}$ (d) None of these **(c)**
- ## The value of $\frac{2}{3} \square \frac{3}{\frac{5}{6} \div \frac{2}{3} \text{ of } 1 \frac{1}{4}} = 1$
 [www.examveda.com]
 (a) 2 (b) 1

Q When $\left(\frac{1}{2} - \frac{1}{4} + \frac{1}{5} - \frac{1}{6}\right)$ is divided by $\left(\frac{2}{3} - \frac{5}{9} + \frac{3}{5} - \frac{7}{18}\right)$, then the result is = ?
[www.examveda.com]

- (a) $5\frac{1}{10}$ (b) $2\frac{1}{18}$
(c) $3\frac{1}{6}$ (d) $3\frac{3}{10}$

$\frac{(0.73)3 + (0.27)3}{(0.73)2 + (0.27)2 - 0.73 \times 0.27} = ?$
[www.examveda.com]

- (a) 0.27 (b) 0.4087
(c) 0.73 (d) 1

$\frac{20 + 8 \times 0.5}{20 - ?}$ Find the value in place of (?)
[www.examveda.com]

- (a) 2 (b) 8
(c) 18 (d) None of these

$\left[2\sqrt{54} - 6\sqrt{\frac{2}{3}} - \sqrt{96}\right]$ is equal to = ?
[www.examveda.com]

- (a) 0 (b) 1
(c) 2 (d) $6 - \sqrt{6}$

$\sqrt{100 + \frac{1}{4}}$ is equal to = ?
[www.examveda.com]

- (a) 12.0 (b) 11.5
(c) 11.0 (d) 10.5

$\frac{3}{2} \square \frac{11}{5} \div \left(\frac{25}{44} \times \frac{11}{5}\right) \div \frac{33}{15} = ?$
[www.examveda.com]

- (a) $\frac{1}{2}$ (b) $\frac{2}{3}$
(c) $\frac{126}{125}$ (d) $5\frac{101}{125}$
(e) None of these (e)

$\frac{225}{836} \square \frac{152}{245} \div \square \square \square \frac{43}{77} \square \square \square \square$
[www.examveda.com]

- (a) $6\frac{4}{9}$ (b) $6\frac{1}{1}$
(c) $3\frac{2}{8}$ (d) $\frac{1}{7}$
(e) None of these (c)

$\sqrt{\frac{0.25}{0.0009}} \square \sqrt{\frac{0.09}{0.36}}$ is equal to ?
[www.examveda.com]

- (a) $\frac{5}{6}$ (b) $7\frac{1}{6}$
(c) $7\frac{1}{3}$ (d) $8\frac{1}{3}$

$\{(\sqrt{72} - \sqrt{18}) \div \sqrt{12}\}$ is equal to = ?
[www.examveda.com]

- (a) $\sqrt{6}$ (b) $\frac{\sqrt{3}}{2}$
(c) $\frac{\sqrt{2}}{3}$ (d) $\frac{\sqrt{6}}{2}$

$1559.95 - 7.99 \times 24.96 - ?^2 = 1154$
[www.examveda.com]

- (a) 14 (b) 24
(c) 32 (d) 18
(e) 8 (a)

$1888 \div 32 \div 8 = ? 1888 \div 32 \div 8 = ?$
[www.examveda.com]

- (a) 7.375 (b) 9.485
(c) 29.5 (d) 472
(e) None of these (a)

$421 \div 35 \times 299.97 \div 25.05 = ?$
[www.examveda.com]

- (a) 22 (b) 24
(c) 28 (d) 12
(e) 18 (d)

Evaluated : $\frac{9|3-5|-5|4| \div 10}{-3(5) - 2 \times 4 \div 2}$
[www.examveda.com]

- (a) $\frac{9}{10}$ (b) $-\frac{8}{17}$
(c) $-\frac{16}{19}$ (d) $\frac{4}{7}$

If $\sqrt{4096} = 64$, then the value of $\sqrt{40.96} + \sqrt{0.004096} + \sqrt{0.00004096}$ up to two place of decimals is = ?
[www.examveda.com]

- (a) 7.09 (b) 7.10
(c) 7.11 (d) 7.12

If $12 + 22 + 32 + \dots + p^2 = \left[\frac{p(p+1)(2p+1)}{6}\right]$, then $12 + 32 + 52 + \dots + 172$ is = ?
[www.examveda.com]

- (a) 969 (b) 1785
(c) 980 (d) 1700

If $\frac{x}{(2x+y+z)} = \frac{y}{(x+2y+z)} = \frac{z}{(x+y+2z)} = a$, then find a, If $x+y+z \neq 0$

[www.examveda.com]

- (a) $\frac{1}{3}$ (b) $\frac{1}{4}$
(c) $\frac{1}{2}$ (d) $\frac{1}{8}$ **b**

If $\frac{a}{b+c} = \frac{b}{c+a} = \frac{c}{a+b} = k$, then find the value of k is-

[www.examveda.com]

- (a) $-\frac{1}{2}$ (b) 1
(c) -1 (d) $\frac{1}{2}$ **d**

If $\left(a + \frac{1}{a}\right) = 6$, then $\left(a^4 + \frac{1}{a^4}\right) = ?$

[www.examveda.com]

- (a) 1154 (b) 1158
(c) 1160 (d) 1164 **a**

Simplification of $\frac{(2.644)2 - (2.356)2}{0.288} = ?$

[www.examveda.com]

- (a) 6.91 (b) 7
(c) 6.81 (d) 7.1 **a**

Simplify : $-7m - \{3n - \{8m - (4n - 10m)\}\}$

[www.examveda.com]

- (a) $11m - 5n$ (b) $11m - 7n$
(c) $11n - 7m$ (d) $13n - 11m$ **b**

Simplify : $\frac{1 + \frac{1}{2}}{1 - \frac{1}{2}} \div \frac{4}{7} \left(\frac{2}{3} + \frac{3}{10}\right)$ of $\frac{\frac{1}{2} + \frac{1}{3}}{\frac{1}{2} - \frac{1}{3}}$

[www.examveda.com]

- (a) $\frac{2}{3}$ (b) $3\frac{1}{2}$
(c) $\frac{3}{2}$ (d) $13\frac{3}{8}$ **c**

Simplify : $\sqrt{3 + \frac{33}{64}} \div \sqrt{9 + \frac{1}{7}} \square 2\sqrt{3\frac{1}{9}} = ?$

[www.examveda.com]

- (a) $\frac{45}{256}$ (b) $1\frac{17}{28}$
(c) $4\frac{3}{8}$ (d) $2\frac{3}{16}$ **d**

Simplify : $\sqrt[3]{-2197} \square \sqrt[3]{-125} \div \square 2\sqrt[3]{\frac{27}{512}} = ?$

[www.examveda.com]

- (a) $\frac{492}{7}$ (b) $\frac{520}{3}$
(c) $\frac{554}{7}$ (d) $\frac{571}{5}$ **b**

Simplify : $\frac{\frac{5}{3} \times \frac{7}{51} \text{ of } \frac{17}{5} - \frac{1}{3}}{\frac{2}{9} \times \frac{5}{7} \text{ of } \frac{28}{5} - \frac{2}{3}}$

[www.examveda.com]

- (a) $\frac{1}{2}$ (b) 4
(c) 2 (d) $\frac{1}{4}$ **c**

Simplify : $\frac{-\frac{1}{2} - \frac{2}{3} + \frac{4}{5} - \frac{1}{3} + \frac{1}{5} + \frac{3}{4}}{\frac{1}{2} + \frac{2}{3} - \frac{4}{3} + \frac{1}{3} - \frac{1}{5} - \frac{4}{5}}$

[www.examveda.com]

- (a) $-\frac{3}{10}$ (b) $-\frac{10}{3}$
(c) -2 (d) 1 **a**

Simplify : $1 + \frac{1}{1 + \frac{2}{2 + \frac{3}{1 + \frac{4}{5}}}}$

[www.examveda.com]

- (a) $1\frac{11}{17}$ (b) $1\frac{5}{7}$
(c) $1\frac{6}{17}$ (d) $1\frac{21}{17}$ **a**

Simplify : $1 + \frac{2}{1 + \frac{3}{1 + \frac{4}{5}}}$

[www.examveda.com]

- (a) $\frac{7}{4}$ (b) $\frac{4}{7}$
(c) $\frac{7}{5}$ (d) $\frac{3}{7}$ **a**

Simplify :

Error! ÷ Error! = ?

[www.examveda.com]

- (a) $\frac{100}{101}$ (b) $\frac{90}{101}$
(c) $\frac{20}{101}$ (d) $\frac{101}{100}$

Simplify the value of Error! = ?

[www.examveda.com]

- (a) 1.4 (b) 0.054
(c) 0.8 (d) 1.0

Supply the two missing figures in order indicated by x and y in the given equation, the fractions being in their lowest terms. $5\frac{1}{x}$

$\square y \frac{3}{4} = 20$

[www.examveda.com]

- (a) 3, 1 (b) 3, 3
(c) 4, 1 (d) 5, 3

The simplest value of $\left(\frac{1}{\sqrt{9}-\sqrt{8}} - \frac{1}{\sqrt{8}-\sqrt{7}} + \frac{1}{\sqrt{7}-\sqrt{6}} - \frac{1}{\sqrt{6}-\sqrt{5}}\right) \left(\frac{1}{\sqrt{9}-\sqrt{8}} - \frac{1}{\sqrt{8}-\sqrt{7}} + \frac{1}{\sqrt{7}-\sqrt{6}} - \frac{1}{\sqrt{6}-\sqrt{5}}\right)$ is = ?

[www.examveda.com]

- (a) $3-5-\sqrt{3}-5$ (b) 3
(c) $5-\sqrt{5}$ (d) $5-\sqrt{35}-3$

The value (1001)3 is = ?

[www.examveda.com]

- (a) 1003003001 (b) 100303001
(c) 100300301 (d) 103003001

The value of $\frac{3}{12 \times 22} + \frac{5}{22 \times 32} + \frac{7}{32 \times 42} + \frac{9}{42 \times 52} + \frac{11}{52 \times 62} + \frac{13}{62 \times 72} + \frac{15}{72 \times 82} + \frac{17}{82 \times 92} + \frac{19}{92 \times 102}$ is = ?

[www.examveda.com]

- (a) $\frac{1}{100}$ (b) $\frac{99}{100}$
(c) 1 (d) $\frac{101}{100}$

The value of $\sqrt{32} - \sqrt{128} + \sqrt{50}$ correct to 3 places of decimal is $\sqrt{32} - \sqrt{128} + \sqrt{50} = ?$

[www.examveda.com]

- (a) 1.732 (b) 1.141
(c) 1.414 (d) 1.441

The value of $\frac{x^2 - (y-z)^2}{(x+z)^2 - y^2} + \frac{y^2 - (x-z)^2}{(x+y)^2 - z^2} + \frac{x^2 - (x-y)^2}{(y+z)^2 - x^2}$ is = ?

[www.examveda.com]

- (a) -1 (b) 0
(c) 1 (d) None of these

The value of $\frac{25-5[2+3\{2-2(5-3)+5\}-10]}{4}$ = ?

[www.examveda.com]

- (a) 5 (b) 23.25
(c) 23.75 (d) 25

The value of $\frac{(x-y)^3 + (y-z)^3 + (z-x)^3}{(x^2-y^2)^3 + (y^2-z^2)^3 + (z^2-x^2)^3}$ is = ?

[www.examveda.com]

- (a) 0 (b) 1
(c) $[2(x+y+z)]-1$ (d) $[(x+y)(y+z)(z+x)]-1$

The value of $\frac{5}{1\frac{7}{8} \text{ of } 1\frac{1}{3}} \square \frac{2\frac{1}{10}}{3\frac{1}{2}} \text{ of } 1\frac{1}{4}$ = ?

[www.examveda.com]

- (a) $1\frac{1}{2}$ (b) 0.05
(c) 1 (d) 2

The value of

[www.examveda.com]

- (a) $-11a^3 + 3b^3$ (b) $7b^3 + 3a^3$
(c) $11a^3 - 3b^3$ (d) $-(11a^3 + 3b^3)$

The value of $1 + \frac{1}{4 \times 3} + \frac{1}{4 \times 32} + \frac{1}{4 \times 32} = ?$

[www.examveda.com]

- (a) $\frac{121}{108}$ (b) $\frac{3}{2}$
(c) $\frac{31}{2}$ (d) None of these

The value of $3\frac{1}{2} -$

[www.examveda.com]

$\left[2\frac{1}{4} \div \left\{1\frac{1}{4} - \frac{1}{2}\left(1\frac{1}{2} - \frac{1}{3} - \frac{1}{6}\right)\right\}\right] = ?$

[www.examveda.com]

- (a) $\frac{1}{2}$ (b) $2\frac{1}{2}$
(c) $3\frac{1}{2}$ (d) $9\frac{1}{2}$

The value of $5\frac{1}{3} \div 1\frac{2}{9} \square \frac{1}{4} \left(10 + \frac{3}{1 - \frac{1}{5}} \right) = ?$

[www.examveda.com]

(a) 15

(b) $\frac{67}{25}$

(c) $\frac{128}{11}$

(d) $\frac{128}{99}$

a

What is $\frac{\frac{7}{8} \times \frac{7}{8} + \frac{5}{6} \times \frac{5}{6} + \frac{7}{8} \times \frac{5}{3}}{\frac{7}{8} \times \frac{7}{8} - \frac{5}{6} \times \frac{5}{6}}$ equal to ?

[www.examveda.com]

(a) $\frac{41}{24}$

(b) $\frac{1}{24}$

(c) 41

(d) None of these

c

Phenom Publications

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6

Average

A pupil's marks were wrongly entered as 83 instead of 63. Due to that the average marks for the class got increased by half. The number of pupils in the class is :

[www.sawaal.com]

- (a) 45 (b) 40
(c) 39 (d) 37 **(b)**

The average age of 8 men is increased by years when two of them whose ages are 21 years and 23 years are replaced by two new men. The average age of the two new men is :

[www.sawaal.com]

- (a) 20 (b) 30
(c) 40 (d) 50 **(b)**

Of the three numbers, the average of the first and the second is greater than the average of the second and the third by 15. What is the difference between the first and the third of the three numbers?

[www.competoid.com]

- (a) 15 (b) 45
(c) 60 (d) None of these **(a)**

Answer: None of these

Out of 4 numbers, whose average is 60, the first one is one fourth of the sum of the last three. The first number is:

[www.competoid.com]

- (a) 15 (b) 45
(c) 48 (d) 60 **(a)**

Answer: 48

Out of four numbers, the average of the first three is 15 and that of the last three is 16. If the last number is 19, the first is:

[www.competoid.com]

- (a) 19 (b) 15
(c) 16 (d) 18 **(a)**

Answer: 16

10 years ago, the average age of a family of 4 members was 24 years. Two children having been born (with age difference of 2 years), the present average age of the family is the same. The present age of the youngest child is :

[www.sawaal.com]

- (a) 1 (b) 2

- (c) 3 (d) 4 **(c)**

12 boys decided to contribute Rs. 750 each to an Orphanage. Suddenly few of them boys dropped out and consequently the rest had to pay Rs. 150 more. Then the number of boys who dropped out?

[www.sawaal.com]

- (a) 4 (b) 6
(c) 2 (d) 3 **(c)**

123 typists typed 984 papers in $\frac{1}{15}$ hour.

The number of papers typed for minute by a average typist is:

[www.sawaal.com]

- (a) 1 (b) 2
(c) 3 (d) 5 **(b)**

19 friends went to a restaurant for a combined weekend dinner party. 13 of them spent Rs. 79 each on their dinner and the rest spent Rs. 4 more than the average expenditure of all the 19. What was the total money spent by them?

[www.sawaal.com]

- (a) Rs. 1398.96 (b) Rs. 1457.09
(c) Rs. 1662.35 (d) Rs. 1536.07 **(d)**

19 people went to a hotel for combine dinner party 13 of them spent Rs. 79 each on their dinner and rest spent 4 more than the average expenditure of all the 19. What was the total money spent by them.

[www.examveda.com; www.sawaal.com]

- (a) 1628.4 (b) 1534
(c) 1492 (d) 1496
(e) None of these **(e)**

20 men went to a restaurant. Nineteen of them paid Rs.70 each and the twentieth man paid Rs.90.25 more than the average of all the 20 men. What is the total bill ?

[www.sawaal.com]

- (a) Rs. 1495 (b) Rs. 548
(c) Rs. 850 (d) Rs. 1750 **(a)**

3 years age, the average age of a family of 5 members was 17 years. A baby having been born, the average age of the family is same

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today. The present age of the baby is :

[www.examveda.com; www.competoid.com]

- (a) 1 years (b) 12 years
(c) 2 years (d) 3 years

4 boys and 3 girls spent Rs. 120 on an average, of which boys spent Rs. 150 on the average. The the average amount spent by the girls is-

[www.examveda.com; www.competoid.com]

- (a) Rs. 80 (b) Rs. 60
(c) Rs. 90 (d) Rs. 100

4.5 years ago, the average age of A, B, C and D was 45 years. With E joining them now, the average age of all the five is 49 years. How old is E ?

[www.competoid.com]

- (a) 25 years (b) 40 years
(c) 45 years (d) 64 years

Answer: 45 years

8 years ago there were 5 members in the Arthur's family and then the average age of the family was 36 years. Mean while Arthur got married and gave birth to a child. Still the average age of his family is same now. What is the age of his wife at the time of his child's birth was. If the difference between the age of her child and herself was 26 years.

[www.sawaal.com]

- (a) 25 years (b) 26 years
(c) 20 years (d) can't be determined

8 years ago. Jyoti's age was equal to the Swati's present age. If the sum of Jyoti's age 10 years from now and Swati's age 6 years ago is 88 years. What was Kusum's age 14 years ago if Kusum is 8 years younger to Swati? (in years)

[www.competoid.com]

- (a) 22 (b) 14
(c) 25 (d) 16

Answer: 16

A and B have their annual average income Rs.80,000. B and C have their annual average income Rs.75,000. C and A have their annual average income Rs.78,000. The annual income of A is ?

[www.competoid.com]

- (a) Rs.81000 (b) Rs.82000
(c) Rs.83000 (d) Rs.84000

Answer: Rs.83000

A batsman in his 15th inning makes a score of 86 runs and thereby increases his average score by 3. What is average score after 15th inning.

[www.competoid.com]

- (a) 50 runs (b) 48 runs
(c) 44 runs (d) 47 runs

Answer: 44 runs

A batsman in his 17th innings makes a score of 85 and their by increasing his average by 3. What is his average after the 17th innings ?

[www.sawaal.com]

- (a) 34 (b) 36
(c) 35 (d) 37

A batsman makes a score of 270 runs in the 87th inning and thus increase his average by a certain number of runs that is a whole number. Find the possible values of the new average.

[www.examveda.com]

- (a) 98 (b) 184
(c) 12 (d) All of these
(e) None of these

A batsman makes a score of 87 runs in the 17th inning and thus increases his average by 3. Find his average after 17th inning.

[www.examveda.com; www.lofoya.com]

- (a) 40 (b) 39
(c) 52 (d) 55

A batsman makes a score of 95 runs in the 13th match and thus increases his average runs per match by 4. What is his average after the 13th match?

[www.sawaal.com]

- (a) 47 (b) 43
(c) 45 (d) 49

A batsman makes a score of 98 runs in the 19th innings and thus increases his average by 4. What is his average after 19th innings?

[www.competoid.com]

- (a) 22 (b) 24
(c) 28 (d) 26

Answer: 26

A batsman played three matches in a tournament. The respective ratio between the scores of 1st and 2nd matches was 5 : 4 and that between the scores of 2nd and 3rd matches was 2 : 1. The difference between the 1st and 3rd matches was 48 runs. What

was the batsman's average score in all the three matches?

[www.competoid.com]

- (a) 45 (b) $58\frac{2}{3}$
(c) 70 (d) $40\frac{2}{3}$ @@

Answer: 58235823

A batsman scores 26 runs and increases his average from 14 to 15. Find the runs to be made if he wants to increase the average to 19 in the same match ?

[www.sawaal.com]

- (a) 74 (b) 79
(c) 72 (d) 60 **a**

A boy secured 42, 78, 69, 51 and 40 marks in an examination of five papers. What is the average mark he secured in one paper.

[www.competoid.com]

- (a) 56 marks (b) 52 marks
(c) 48 marks (d) 49 marks @@

Answer: 56 marks

A businessman purchased 30 TV sets in Rs.300000. If the average cost of 15 TV sets is Rs.9000, then find out the average cost of remaining TV sets.

[www.competoid.com]

- (a) Rs.20000 (b) Rs.12000
(c) Rs.11000 (d) Rs.10000 @@

Answer: Rs.11000

A canteen requires 56 kgs of rice for seven days. The quantity of rice required for the months of April and May together is

[www.sawaal.com]

- (a) 468 kg (b) 488 kg
(c) 498 kg (d) 508 kg **b**

A car travels a certain distance from town A to town B at the speed of 42 km/h and from town B to town A at a speed of 48 km/h. What is the average speed of the car?

[www.competoid.com]

- (a) 45 km/h (b) 46 km/h
(c) 44 km/h (d) None of the above @@

Answer: None of the above

A car travels from A to B with 40 km/h and returns from B to A with 60 km / h. Its average Speed during the whole journey is

[www.competoid.com]

- (a) 48 km/h (b) 50 km/h
(c) 45 km/h (d) 60 km/h @@

Answer: 48 km/h

A car travels the first 100 km. at a speed of 40 km/hr and next 200 km at 60 km/hr. Find the average speed?

[www.competoid.com]

- (a) 50 km/hr (b) 52.8 km/hr
(c) 51.4 km/hr (d) 51.6 km/hr @@

Answer: 51.4 km/hr

A cricketer has a certain average for 10 innings. In the eleventh inning, he scored 108 runs, thereby increasing his average by 6 runs. His new average is :

[www.sawaal.com]

- (a) 44 runs (b) 46 runs
(c) 48 runs (d) 49 runs **c**

A class contains 10 students. The marks obtained by them in a test are 43, 48, 65, 57, 31, 60, 37, 48, 78, 59. How many students obtain marks more than the class average?

[www.competoid.com]

- (a) 3 (b) 4
(c) 5 (d) 7 @@

Answer: 5

A cricketer had a certain average of runs for his 64 innings. In his 65th innings, he is bowled out for no score on his part. This brings down his average by 2 runs. His new average of runs is :

[www.examveda.com; www.competoid.com]

- (a) 130 (b) 128
(c) 70 (d) 68 **b**

A cricketer has a certain average for 10 innings. In the eleventh innings, he scored 216 runs, thereby increasing his average by 12 runs. Find out his new average.

[www.competoid.com]

- (a) 96 (b) 84
(c) 97 (d) 87 @@

Answer: 96

A cricketer has a certain average of runs for his 8 innings. In the ninth innings, he scores 100 runs, thereby increasing his average by 9 runs. His new average of runs is:

[www.competoid.com]

- (a) 20 (b) 24
(c) 28 (d) 32 @@

Answer: 28

A cricketer has a mean score of 60 runs in 10 innings. Find out how many runs are to be scored in the eleventh innings to raise the

mean score to 62 ?

[www.examveda.com; www.competoid.com]

- (a) 83 (b) 82
(c) 80 (d) 81 **(b)**

A cricketer has a mean score of 60 runs in 10 innings. Find out how many runs are to be scored in the eleventh innings to raise the mean score to 62 ?

[www.competoid.com]

- (a) 83 (b) 82
(c) 80 (d) 81 **@@**

Answer: 82

A cricketer makes 72, 59, 18, 101 and 7 runs respectively in five matches played by him. Find his average score.

[www.competoid.com]

- (a) 50 (b) 51
(c) 51.4 (d) None of these **@@**

Answer: 51.4

A cricketer scored some runs in his 21st innings, as a result, his average runs increased by 3. If the present average run is 40, how many runs he scored in the final innings?

[www.examveda.com]

- (a) 103 (b) 100
(c) 85 (d) 82 **(b)**

A cricketer scored some runs in his continuous 9 innings. He scored 100 runs in his 10th innings and increases his average by 8 runs. What was the average of his runs at the end of 10th innings?

[www.competoid.com]

- (a) 20 (b) 24
(c) 28 (d) 32 **@@**

Answer: 28

A cricketer whose bowling average is 12 runs per wicket, takes 5 wickets for 26 runs in the next innings and thereby decreases his average by 0.4. The number of wickets taken by him till the last match was

[www.competoid.com]

- (a) 64 (b) 72
(c) 90 (d) 85 **@@**

Answer: 90

A cricketer whose bowling average is 24.85 runs per wickets, takes 5 wickets for 52 runs in next inning and thereby decreases his average by 0.85. The number of wickets

taken by him till the last match was :

[www.examveda.com; www.competoid.com]

- (a) 75 (b) 85
(c) 80 (d) 96 **(b)**

A demographic survey of 100 families in which two parents were present revealed that the average age A, of the oldest child is 20 yr less than $\frac{1}{2}$ the sum of the ages of the two parents. If F represents the age of one parents and M the age of the other parents, then which of the following is equivalent to A?

[www.competoid.com]

- (a) $\frac{F + M - 20}{2}$ (b) $\frac{F + M}{2} + 20$
(c) $\frac{F + M}{2} - 20$ (d) $F + M - 10$ **@@**

Answer: $F + M - 20$

A factory buys 7 machines. 2 Machine A, 2 Machine B and rest Machine C. Prices of the machines are Rs 95000, Rs 75000 and Rs 43000 respectively. Calculate the average cost of these machines?

[www.sawaal.com]

- (a) 71000 (b) 67000
(c) 75000 (d) 65500 **(b)**

A fruit seller sold big, medium and small sizes apples of Rs. 15, Rs. 10 and Rs. 5, respectively. The total number of apples sold were in the ratio 3 : 2 : 5. Find the average cost of an apple.

[www.examveda.com; www.competoid.com]

- (a) 8 (b) 10
(c) 9 (d) 7 **(c)**

A group of boys has an average weight of 36 kg. One boy weighing 42 kg leaves the group and another boy weighing 30 kg joins the group. If the average now becomes 35.7 kg, then how many boys are there in the group?

[www.sawaal.com]

- (a) 30 (b) 32
(c) 40 (d) 56 **(c)**

A has 50 coins of 10 paise denominations. While B has 10 coins of 50 paise denominations. C has 20 coins of 25 paise denominations while D has 25 coins of 20 paise denominations. The average number of paise per person is :

[www.examveda.com]

- (a) 450 paise (b) 500 paise
(c) 550 paise (d) 650 paise **(b)**
- ## A librarian purchased 60 Story books for his library. But he found that he could get 4 extra books by spending Rs.336 more and then the overall average price per book would be reduced by Rupees 1. The previous average price of each book was [www.competoid.com]
- (a) Rs. 84 (b) Rs. 83
(c) Rs. 68 (d) Rs. 100 @@
- Answer: Rs. 100
- ## A man bought 13 articles at Rs. 70 each, 15 at Rs. 60 each and 12 at Rs. 65 each. The average price per article is - [www.examveda.com; www.competoid.com]
- (a) Rs. 60.25 (b) Rs. 64.75
(c) Rs. 65.75 (d) Rs. 62.25 **(b)**
- ## A man divides his total route of journey into three equal parts and decides to travel the three parts with speed of 15 km/h, 10 km/h and 5 km/h, respectively. Find his average speed of during journey. [www.competoid.com]
- (a) 2.28 km/h (b) 9 km/h
(c) 14 km/h (d) 8.18 km/h @@
- Answer: 8.18 km/h
- ## A man had 7 children. When their average age was 12 years, a child aged 6 years died. Then average age of remaining six children is : [www.examveda.com; www.competoid.com]
- (a) 13 years (b) 10 years
(c) 11 years (d) 14 years **(a)**
- ## A man has 'n' magical eggs whose average weight is 'k' gm. Each of the 'n' eggs produces 'n' eggs next day such that the average weight of 'n' eggs produced is same as that of the parental egg for each 'n' groups individually i.e. each egg produces 'n' eggs of next generation and average weight of all the 'n' eggs of next generation is same as the weight of the mother egg. This process is continued without any change in pattern. What is the total weight of all the eggs of rth generation, where the initial number of eggs with man are considered as the eggs of first generation. [www.examveda.com]
- (a) rnk (b) rnk

- (c) nkr (d) nrk
(e) None of these **(d)**
- ## A man purchased 6 sheep at rate of Rs.150 each, 8 sheep at the rate of Rs.300 each and 11 sheep at the rate of Rs.220 each. What is the average price of a sheep. [www.competoid.com]
- (a) 230.3 (b) 228.8
(c) 240.2 (d) 235.5 @@
- Answer: 228.8
- ## A man purchased 7 bags of rice at the rate of Rs. 800 each, 8 bags of rice at Rs. 1000 each and 5 bags of rice at the rate of Rs. 1200 each. What is the average cost of one bag of rice ? [www.examveda.com; www.competoid.com]
- (a) Rs. 1000 (b) Rs. 980
(c) Rs. 1120 (d) Rs. 1050 **(b)**
- ## A man purchases milk for three consecutive years. In the first year, he purchases milk at the rate of Rs. 7.50 per litre, in the second year, at the rate of Rs. 8.00 per litre and in the third year, at Rs. 8.50 per litre. If he purchases milk worth Rs. 4080 each year, the average price of milk per litre for the three years is : [www.competoid.com]
- (a) Rs. 7.68 (b) Rs. 7.98
(c) Rs. 7.54 (d) Rs. 7.83 @@
- Answer: Rs. 7.98
- ## A man spends an average of Rs.1694.70 per month for the first 7 month and Rs.1810.50 per month for the next 5 months. His monthly salary if he saves Rs.3084.60 during the whole year is [www.competoid.com]
- (a) Rs.2400 (b) Rs.3000
(c) Rs.1000 (d) Rs.2000 @@
- Answer: Rs.2000
- ## A man spends his three months income in four month time. If his monthly income is Rs. 1000 then his annual savings is ? [www.examveda.com; www.competoid.com]
- (a) Rs. 3000 (b) Rs. 9000
(c) Rs. 4000 (d) Rs. 6000 **(a)**
- ## A man spends Rs. 1800 monthly on an average for the first four months and Rs. 2000 monthly for the next eight months and saves Rs. 5600 a year. His average monthly

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income is

- (a) Rs. 2000 (b) Rs. 2200
(c) Rs. 2400 (d) Rs. 2600

Answer: Rs. 2400

A man started his journey from Lucknow to Kolkata, which is 200 km, at the speed of 40 kmph then he went to Bangalore which is 300 km, at the speed of 20 kmph. Further he went to Ahmedabad which is 500 km, at the speed of 10 kmph. The average speed of the man is :

- (a) 14.27 kmph (b) 14.57 kmph
(c) 15.6 kmph (d) 16.1 kmph

A man travels equal distances of his journey at 40, 30 and 15 km/h. respectively. Find his average speed for whole journey.

- (a) 24 (b) 25
(c) 27 (d) 28

A monthly return railway ticket costs 25% more than a single ticket. A week's extension can be had for the former by paying 5% of the monthly tickets cost. If the money paid for the monthly ticket [with extension] is Rs.84, the price of the single ticket is-

- (a) Rs.64 (b) Rs.80
(c) Rs.48 (d) Rs.72

Answer: Rs.64

A number of friends decided to go on a picnic and planned to Spend Rs.96 on eatables. Four of them, did not turn up. As a consequence, the remaining ones had to contribute Rs.4 each extra. The number of those who attended the picnic was

- (a) 8 (b) 16
(c) 12 (d) 24

Answer: 8

A passenger travels from Delhi to Merut at a speed of 30 kmph and return with a speed of 60 kmph. What is the average speed?

- (a) 40 (b) 45
(c) 50 (d) 48

A person bought some oranges worth Rs.36 from each of the five markets at Rs.1, Rs.1.50, Rs. 1.80, Rs.2 and Rs 2.25 per

orange respectively. What is the average price of an orange?

- (a) RS. 1.91 (b) RS. 2.00
(c) RS. 1.58 (d) RS. 1.80

Answer: RS. 1.58

A person covers 9 km with a speed of 3 km/h, 25 km with a speed of 5 km/h and 30 km with a speed of 10 km/h. Find out the average speed of person.

- (a) $5\frac{9}{11}$ km/h (b) $11\frac{5}{9}$ km/h
(c) $9\frac{5}{11}$ km/h (d) $5\frac{5}{11}$ km/h

Answer: $5911\frac{5}{11}$ km/h

A school has only four classes that contain 10, 20, 30 and 40 students respectively. The pass percentage of these classes are 20%, 30%, 60% and 100% respectively. Find the pass % of the entire school.

- (a) 56% (b) 76%
(c) 34% (d) 66%
(e) None of these

A set A consists of integers 27, 28, 30 and 33. If integer k is included in the set, the average of set A will increase by 30%. What is the value of integer k ?

- (a) 68 (b) 79
(c) 73.75 (d) 75.25

A student finds the average of 10 positive integers. Each integer contains two digits. By mistake, the boy interchanges the digits of one number say ba for ab. Due to this, the average becomes 1.8 less than the previous one. What was the difference of the two digits a and b?

- (a) 8 (b) 6
(c) 2 (d) 4

A student finds the average of ten, 2 digits numbers. If the digits of one of the numbers interchanged, the average increases by 3.6. The difference between the digits of the 2 digits number is :

- (a) 4 (b) 3
(c) 2 (d) 5

A student, by mistake wrote 64 in place of 46 as a number at the time of finding the average of 10 given numbers and got the average as 50. The correct average of the number is

[www.competoid.com]

- (a) 48.2 (b) 48
(c) 48.1 (d) 49

@@

Answer: 48.2

A student's average marks in five subjects is 82. If the average marks of first two subject is 86.5 and the average marks of last two subjects is 84. Find the marks of third subject?

[www.sawaal.com]

- (a) 69 (b) 67
(c) 71 (d) 73

(a)

a, b and c are 3 values, such that $a + b = 5$, $b + c = 7.5$ and $c + a = 8.5$. What will be the average of these values?

[www.sawaal.com]

- (a) 1.5 (b) 3
(c) 3.5 (d) 4.5

(c)

a, b, c, d, e, f, g are consecutive even numbers. j, k, l, m, n are consecutive odd numbers. The average of all the numbers is :

[www.examveda.com; www.competoid.com]

- (a) $3\left(\frac{a+n}{2}\right)$ (b) $\left(\frac{a+d}{2}\right)$
(c) $\left(\frac{a+b+m+n}{4}\right)$ (d) $3\left(\frac{j+c+n+g}{4}\right)$

(b)

Ajay working in a Cellular company as a salesman. His monthly salary is Rs. 200. But he gets bonus as per given rule. If he sells sim cards of Rs. X then his bonus will be $\left[\left(\frac{x}{100}\right)^2 + 10\right]$. In the first quarter of the year his average sale was Rs. 3000 per month. In the next 5 five month his average sale was Rs. 5000 per month and for next four month his average sale was Rs. 8000 per month. What is the average earning per month for the whole year?

[www.examveda.com]

- (a) Rs. 3350 (b) Rs. 3610
(c) Rs. 3750 (d) Rs. 3560
(e) None of these

(b)

Ajit has a certain average for 9 innings. In the tenth innings, he scores 100 runs thereby increasing his average by 8 runs. His new

average is:

[www.examveda.com]

- (a) 20 (b) 21
(c) 28 (d) 32

(c)

Amay's present age is 1.5 times of Himanshu's present age. if after 4 years. Amay's age will be twice of Himanshu's age 4 years ago, what is the difference between their present ages?

[www.competoid.com]

- (a) 13 years (b) 14 years
(c) 12 years (d) 15 years

@@

Answer: 12 years

Amithab's average expenditure for the January to June is Rs. 4200 and he spends Rs.1200 in January and Rs.1500 in July. The average expenditure for the months of febraury to July is:

[www.sawaal.com]

- (a) Rs. 4250 (b) Rs. 4520
(c) Rs. 4060 (d) None of these

(a)

Amount five people with monthly income (in Rs.) 15000, 26000, 16000, 19000, 50000, how many will have income less than the mean income of five people?

[www.examveda.com]

- (a) 1 (b) 2
(c) 3 (d) 4

(c)

An Army of 12000 consists of Europeans and Indian. The average height of European is 5 feet 10 inches and that of an Indian is 5 feet $9\frac{3}{4}$ inches. Then the number of Indians in the army is?

[www.competoid.com]

- (a) 3000 (b) 4000
(c) 5500 (d) 2700

@@

Answer: 3000

An elevator can carry maximum of 16 passengers with an average weight of 80 kg. However, four boys more than the maximum carrying capacity of the elevator entered it making the average weight as 86 kg and overloading the elevator. What is the average weight of those four boys ?

[www.examveda.com; www.competoid.com]

- (a) 112 kg (b) 108 kg
(c) 110 kg (d) 98 kg

(c)

An hour-long test has 60 problems. If a student completes 30 problem in 25 minutes, then the required seconds he has taken on average for computing each, of the remaining problems is

[www.competoid.com]

- (a) 70 seconds (b) 50 seconds
(c) 40 seconds (d) 30 seconds @@

Answer: 70 seconds

Average age of 5 boys is 16 yr. of which that of 4 boys is 16 yr 3 months. The age of the 5th boy is

[www.competoid.com]

- (a) 15 yr (b) 15 yr 6 months
(c) 15 yr 4 months (d) 15 yr 2 months @@

Answer: 15 yr

Average age of 6 sons of a family is 8 years. Average age of sons together with their parents is 22 years. If the father is older than the mother by 8 years, the age of mother (in years) is -

[www.examveda.com; www.competoid.com]

- (a) 44 (b) 52
(c) 60 (d) 68 ©

Average age of 8 men is increased by 3 years when two of them whose age are 30 and 34 years are replaced by 2 persons. What is the average age of the 2 persons?

[www.competoid.com]

- (a) 24 years (b) 32 years
(c) 44 years (d) 48 years @@

Answer: 44 years

Average age of a team having 12 players is 23 years. If the age of the coach is also included, then the average age increases by 2 years. What is the age (in years) of the coach?

[www.sawaal.com]

- (a) 41 (b) 47
(c) 49 (d) 51 ©

Average age of seven persons in a group is 30 years, the average age of five persons of this group is 31 years. What is the average age of the other two persons in the group?

[www.competoid.com]

- (a) 55 years (b) 26 years
(c) None of these (d) 15 years @@

Answer: None of these

Average cost of 5 apples and 4 mangoes is Rs. 36. The average cost of 7 apples and 8

mangoes is Rs. 48. Find the total cost of 24 apples and 24 mangoes.

[www.examveda.com; www.lofoya.com]

- (a) 1044 (b) 2088
(c) 720 (d) 3240 ©

Average marks of 30 boys of a class is 70. Average mark of 20 girls of the class is 80. What is the average mark per student of the class.

[www.competoid.com]

- (a) 70 (b) 74
(c) 75 (d) 80 @@

Answer: 74

Average of 11 numbers is 7. If every number is doubled, then what will be the new average of the numbers?

[www.sawaal.com]

- (a) 3.5 (b) 7
(c) 10.5 (d) 14 ©

Average of 80 numbers are 42. When 5 more numbers are included, the average of 85 numbers become 45. Find the average of 5 numbers.

[www.examveda.com]

- (a) 82 (b) 89
(c) 93 (d) 98 ©

Average of first five multiples of 5 is:

[www.competoid.com]

- (a) 15 (b) 15.1
(c) 15.5 (d) 15.3 @@

Answer: 15

Average of first five odd multiples of 3 is -

[www.examveda.com; www.competoid.com]

- (a) 12 (b) 16
(c) 15 (d) 21 ©

Average of n numbers is a. The first number is increased by 2, second one is increased by 4, the third one is increased by 8 and so on. The average of the new numbers is -

[www.examveda.com; www.competoid.com]

- (a) $a + \frac{2(2n-1)}{n}$ (b) $a + \frac{2n+1-1}{n}$
(c) $a + \frac{2n+1}{n}$ (d) $a + 2 \frac{2n-1}{n}$ ©

Average of ten numbers is 7. If every number is multiplied by 12, what will be the average of new numbers?

[www.competoid.com]

- (a) 7 (b) 9
(c) 82 (d) 84 @@

Answer: 84

- ## Average of two numbers is 8 and average of other three numbers is 3; the average of the five numbers is :

[www.examveda.com; www.sawaal.com; www.competoid.com]

- (a) 2 (b) 3
(c) 5 (d) 6

- ## Average runs scored by 11 players of a cricket team is 23 runs. If the first player scored 113 runs. Find the average runs of the remaining players.

[www.competoid.com]

- (a) 8 runs (b) 12 runs
(c) 14 runs (d) 27 runs @@

Answer: 14 runs

- ## Average score of a class of 50 students in an exam is 34. Average score of the students who have passed is 52 and the average score of students who have failed is 16. How many students have failed in the exam?

[www.competoid.com]

- (a) 25 (b) 20
(c) 15 (d) 18 @@

Answer: 25

- ## Average score of Rahul, Manish and Suresh is 63. Rahul's score is 15 less than Ajay and 10 more than Manish. If Ajay scored 30 marks more than the average score of Rahul. Manish and Suresh, what is the sum of Manish's and Suresh's scores?

[www.competoid.com]

- (a) 120 (b) 111
(c) 117 (d) Cannot be determined @@

Answer: 111

- ## Average weight of 19 men is 74 kg and the average weight of 38 women is 63 kg. What is the average weight (rounded off to the nearest integer) of all the men and the women together?

[www.competoid.com]

- (a) 59 kg (b) 65 kg
(c) 69 kg (d) 67 kg @@

Answer: 67 kg

- ## Average weight of 25 persons is increased by 1 kg when one person weighing 60 kg is replaced by a new person. Weight of new the person is-

[www.examveda.com; www.competoid.com]

- (a) 50 kg (b) 61 kg

- (c) 86 kg (d) 85 kg d

- ## Average weight of 25 students of a class is 50 kg. If the weight of the class teacher is included, the average is increased by 1 kg. The weight of the teacher is ?

[www.examveda.com; www.competoid.com]

- (a) 76 kg (b) 77 kg
(c) 74 kg (d) 75 kg a

- ## Average weight of 3 men A, B, C is 84 kg. Another man D joins the group and the average now becomes 80 kg. If another man E whose weight is 3 kg more than that of D replaces A then the average weight of B, C, D and E becomes 79 kg. The weight of A in kg is:

[www.competoid.com]

- (a) 80 (b) 72
(c) 75 (d) 70 @@

Answer: 75

- ## Average weight of three boys P, T and R is $54\frac{1}{3}$ kg while the average weight of three boys. T, F and G is 53 kg. What is the average weight of P, T, R, F and H?

[www.competoid.com]

- (a) 53.8 kg (b) 52.4 kg
(c) 53.2 kg (d) Data inadequate @@

Answer: Data inadequate

- ## B was born when A was 4 year 7 month old and C was born when B was 3 year 4 month old. When C was 5 year 2 month old, then their average age was:

[www.competoid.com; www.examveda.com]

- (a) 8 years 9 months (b) 7 years 3 months
(c) 8 years 7 months (d) 8 years 11 months @@

Answer: 8 years 11 months

- ## Calculate the average of the cubes of first five natural numbers?

[www.competoid.com]

- (a) 55 (b) 65
(c) 45 (d) 35 @@

Answer: 45

- ## David obtained 76, 65, 82, 67 and 85 marks (out of 100) in English, mathematics, physics, chemistry and biology. What are his average marks?

[www.examveda.com; www.sawaal.com; www.lofoya.com]

- (a) 65 (b) 69
(c) 75 (d) None of these c

Deepak travels to Sohna 150 km away at an average speed of 55 km per hour and return at 45 km per hour. His average speed for the whole journey in km per hour is

[www.competoid.com]

- (a) 52.5 (b) 48.5
(c) 49.5 (d) 47.5

@@

Answer: 49.5

Distance between two stations A and B is 778km. A train covers the journey from A to B at 84 km per hour and returns back to A with a uniform speed of 56 km per hour. Find the average speed of train during the whole journey.

[www.examveda.com]

- (a) 60 km/hr (b) 30.5 km/hr
(c) 57 km/hr (d) 67.2 km/hr

(d)

Due to a price hike of 20% , 4 kg less sugar is available for Rs. 120 . What is the initial price per kg of sugar ?

[www.sawaal.com]

- (a) Rs. 5 Kg (b) Rs. 4 Kg
(c) Rs. 6 Kg (d) Rs. 5.5 Kg

(a)

Eight consecutive numbers are given. If the average of the two numbers that appear in the middle is 6, then the sum of the eight given numbers is :

[www.examveda.com; www.competoid.com]

- (a) 54 (b) 64
(c) 36 (d) 48

(d)

Fifteen movie theatres average 600 customers per theatre day. If six of the theatres close down but the total theatre attendance stays the same , then the average daily attendance per the remaining theatres is

[www.competoid.com]

- (a) 900 (b) 1000
(c) 1100 (d) 1200

@@

Answer: 1000

Find average of all prime numbers between 60 and 80?

[www.competoid.com]

- (a) 72 (b) 70.2
(c) 74 (d) 73.6

@@

Answer: 70.2

Find the average increase rate, if increase in the population in the first year is 30% and that in the second year is 40%.

[www.examveda.com]

- (a) 41% (b) 56%
(c) 40% (d) 38%
(e) 39% (a)

Find the average of 1.11, 0.01, 0.101, 0.001, 0.11 = ?

[www.examveda.com; www.competoid.com]

- (a) 0.2664 (b) 0.2554
(c) 0.1264 (d) 0.1165

(a)

Find the average of cubes of first 49 positive integers.

[www.examveda.com; www.competoid.com]

- (a) 30625 (b) 1225
(c) 30125 (d) 6235

(a)

Find the average of first 50 natural numbers?

[www.sawaal.com]

- (a) 25 (b) 25.5
(c) 26 (d) 26.5

(b)

Find the average of first 97 natural numbers.

[www.examveda.com]

- (a) 47 (b) 37
(c) 48 (d) 49
(e) 49.5 (d)

Find the average of the following set of scores 253, 124, 255, 534, 836, 375, 101, 443, 760

[www.competoid.com]

- (a) 427 (b) 413
(c) 141 (d) 409

@@

Answer: 409

Find the average of the following set of scores. 124, 856, 331, 227, 963, 338, 259 and 662.

[www.competoid.com]

- (a) 570 (b) 660
(c) 141 (d) 470

@@

Answer: 470

Five boxes of bananas sell for Rs. 30. how many boxes can you buy for Rs.9?

[www.sawaal.com]

- (a) 2 (b) 1.5
(c) 1.25 (d) 2.5

(b)

Five years ago, the average age of P and Q was 15 yr. Now, average age of P, Q and R is 20 yr. What would be the age of R after 10 yr?

[www.competoid.com]

- (a) 35 yr (b) 40 yr
(c) 30 yr (d) 50 yr

@@

Answer: 30 yr

Five years ago, the average age of P and Q was 25. The average age of P, Q and R today is 25. Age of R after 5 years will be :

[www.examveda.com; www.competoid.com]

- (a) 15 years (b) 20 years
(c) 40 years (d) 35 years **(b)**

For the data given below. find the sum of mode, median and mean. 6, 3, 8, 4, 3, 11, 7, 4, 5, 4.

[www.sawaal.com]

- (a) 13.5 (b) 13
(c) 14 (d) 14.5 **(c)**

Four numbers are written in a row. The average of first two numbers is 7, the average of the middle two terms is 2.3 and the average of the last two numbers is 8.4. The average of first number and the last number is

[www.competoid.com]

- (a) 5.9 (b) 10.7
(c) 13.1 (d) cannot be determined
@@

Answer: 13.1

From a class of 24 boys, a boy, aged 10 years, leaves the class and in his place a new boy is admitted. As a result the average age of the class is increased by 2 months. What is the age of the new boy ?

[www.competoid.com]

- (a) 12 years (b) 15 years
(c) 14 years (d) 13 years @@

Answer: 14 years

From a class of 42 boys, a boy aged 10 years goes away and in his place, a new boy is admitted. If on account of this change, the average age of the boys in that class increases by 2 months, the age of the newcomer is :

[www.examveda.com; www.competoid.com]

- (a) 19 years (b) 17 years
(c) 10 years 6 months (d) 12 years 2 months **(b)**

How many window coverings are necessary to span 50 windows, if each window covering is 15 windows long?

[www.sawaal.com]

- (a) 4 (b) 15
(c) 3 (d) 50 **(a)**

Ian has 14 boxes of paper and divides them evenly between 4 coworkers. How many

whole boxes did each coworker get?

[www.sawaal.com]

- (a) 2 (b) 2.5
(c) 3 (d) 3.5 **(c)**

If a certain amount is fully distributed among A, B & C in such a way that A receives $\frac{1}{2}$ of the amount, B receives $\frac{1}{3}$ of the amount and C receives ₹ 1200, then how much money would A receive

[www.sawaal.com]

- (a) 4000 (b) 1600
(c) 3600 (d) 1800 **(c)**

If a, b, c, d, e are five consecutive odd numbers, their average is

[www.competoid.com]

- (a) $5(a + 4)$ (b) $\frac{abcde}{5}$
(c) $5(a + b + c + d + e)$ (d) $a + 4$
@@

Answer: a + 4

If average of 20 observations $x_1, x_2, \dots, x_{20}$ is y, then the average of $x_1 - 101, x_2 - 101, x_3 - 101, \dots, x_{20} - 101$ is :

[www.examveda.com; www.competoid.com]

- (a) $y - 20$ (b) $y - 101$
(c) $20y$ (d) $101y$ **(b)**

If out of 10 selected students for an examination, 3 were of 20 years, 4 of 21 years and 3 of 22 years, the average age of the group is

[www.competoid.com]

- (a) 22 years (b) 21 years
(c) 21.5 years (d) 20 years @@

Answer: 21 years

If the algebraic sum of deviations of 20 observations measured from 23 is 70, mean of these observations would be

[www.competoid.com]

- (a) 24 (b) 25
(c) 26 (d) None of the above @@

Answer: None of the above

If the arithmetic mean of 7, 5, 13, x and 9 is 10, then the value of x is :

[www.examveda.com; www.competoid.com]

- (a) 10 (b) 12
(c) 14 (d) 16 **(d)**

If the average height of boys in a hall is 180 cm and that of girls is 150 cm. If the average height of the gathering is 165 cm, then find

the number of girls present in the hall if the number of boys present in the hall are 78 ?

[www.sawaal.com]

- (a) 56 (b) 64
(c) 87 (d) 78

If the average marks of three batches of 55, 60 and 45 students respectively is 50, 55, 60, then the average marks of all the students is:

[www.examveda.com; www.indiabix.com; www.competoid.com]

- (a) 53.33 (b) 54.68
(c) 55 (d) None of these

If the average of 5 consecutive integers is x then, find the average of next to next 5 consecutive integers.

[www.examveda.com]

- (a) $x + 5$ (b) $x - 5$
(c) $x + 10$ (d) $x + 25$

If the average of 6 consecutive even number is 25, the difference between the largest and the smallest number is :

[www.examveda.com; www.competoid.com]

- (a) 8 (b) 10
(c) 12 (d) 14

If the average of eight consecutive even numbers be 93, then the greatest number among them is

[www.competoid.com]

- (a) 100 (b) 102
(c) 86 (d) 98

Answer: 100

If the average of m numbers is n_2 and that of n numbers is m_2 , then the average of $(m + n)$ numbers is-

[www.examveda.com]

- (a) $m - n$ (b) mn
(c) $m + n$ (d) $\frac{m}{n}$

If the average of the ages of Rakesh and Mohan is 15, average of the ages of Mohan and Ramesh is 12 and the average of the ages of Rakesh and Ramesh is 13, then the age of Mohan, is

[www.competoid.com]

- (a) 16 (b) 13
(c) 14 (d) 12

Answer: 14

If the average of x and $\frac{1}{x}$ ($x \neq 0$) is M , then the average of x^2 and $\frac{1}{x^2}$ is:

[www.competoid.com]

- (a) $1 - M^2$ (b) $1 - 2M^2$
(c) $2M^2 - 1$ (d) $2M^2 + 1$

@@

Answer: $2M^2 - 1$

If the average weight of 6 students is 50 kg. If two student of average weight of 51 kg are added and two other students of average weight of 55 kg are also added then the average weight of all the students is :

[www.examveda.com; www.competoid.com]

- (a) 61 kg (b) 51.5 kg
(c) 52 kg (d) 51.2 kg

If the difference between the average of x , y and y , z is 12, then the difference between x and z is :

[www.examveda.com; www.competoid.com]

- (a) 6 (b) 48
(c) 24 (d) 12

If the mean of 4 observations is 20, when a constant ' c ' is added to each observation, the mean becomes 22. The value of c is :

[www.examveda.com; www.competoid.com]

- (a) 6 (b) 2
(c) 2 (d) 4

If $x + y + z = 13$, then the maximum value of $(x - 2)(y + 1)(z - 3)$ is

[www.competoid.com]

- (a) 25 (b) 30
(c) 54 (d) 27

@@

Answer: 27

If $a + \frac{1}{a} = 2$ then the value of $a^5 + \frac{1}{a^5}$ will be

[www.sawaal.com]

- (a) 0 (b) 1
(c) 3 (d) 2

In 2011, the arithmetic mean of the annual incomes of Ramesh and Suresh was Rs. 3800. The arithmetic mean of the annual incomes of Suresh and Pratap was Rs. 4800, and the arithmetic mean of the annual incomes of Pratap and Ramesh was Rs. 5800. What is the arithmetic mean of the incomes of the three?

[www.examveda.com; www.lofoya.com]

- (a) Rs. 4000 (b) Rs. 4200
(c) Rs. 4400 (d) Rs. 4800

In a 20 over match, the required run rate to win is 7.2. If the run rate is 6 at the end of the 15th over, the required run rate to win the match is :

[www.examveda.com; www.competoid.com]

- (a) 1.2 (b) 13.2
(c) 10.8 (d) 12 **(c)**

In a boat there are 8 men whose average weight is increased by 1 kg when 1 man of 60 kg is replaced by a new man. What is weight of new comer?

[www.examveda.com]

- (a) 70 years (b) 66 years
(c) 68 years (d) 69 years **(c)**

In a certain examination, the average marks of an examinee is 64 per paper. If he had obtained 18 more marks for his mathematics paper and 4 more marks for his English paper, his average per paper would have been 66. How many papers were there in the examination?

[www.competoid.com]

- (a) 11 (b) 13
(c) 9 (d) 15 **@@**

Answer: 11

In a certain year, the average monthly income of a person was Rs. 3,400. For the first eight months of the years, his average monthly income was Rs. 3,160 and for the last five months, it was Rs. 4,120. His income in the eighth month of the year was :

[www.competoid.com]

- (a) Rs. 3,160 (b) Rs. 5,080
(c) Rs. 15,520 (d) Rs. 5,520 **@@**

Answer: Rs. 5,080

In a cinema hall for the matinee show which started at 2.30 pm and ended at 5.30 pm the vehicle parking lot had only three wheelers (auto rickshaws) and four wheelers. Today the wheels of the vehicles parked was counted and found to be 240. What could be the number of three wheelers parked therein ?

[www.sawaal.com]

- (a) 48 (b) 41
(c) 45 (d) 43 **(a)**

In a class of 100 students, the average weight is 30 kg. If the average weight of the girls is 24 kg and that of the boys is 32 kg, then what

is the number of girls in the class?

[www.sawaal.com]

- (a) 25 (b) 26
(c) 27 (d) 28 **(a)**

In a class of 39 students there are 26 girls. The average weight of these girls is 42 Kgs and average weight of the full class is 48 kgs. What is the average weight (in kgs) of the boys of the class?

[www.sawaal.com]

- (a) 54 (b) 66
(c) 60 (d) 62 **(c)**

In a class of 40 students 5 were absent for a test. The average marks in it came out of 60. 5 students wrote a retest and the average marks calculated for all the 40 students came out as 60. The total marks scored by those candidates were

[www.competoid.com]

- (a) 0 (b) 100
(c) 300 (d) None of these **@@**

Answer: 300

In a class of 60 students there are 30 girls. The average weight of these girls is 58 Kg and average weight of the full class is 63 kgs. What is the average weight of the boys of the class?

[www.sawaal.com]

- (a) 67 (b) 66
(c) 68 (d) 65 **(c)**

In a class of 65 students there are 39 girls. The average weight of these girls is 60 Kg and average weight of the full class is 64 kgs. What is the average weight of the boys of the class?

[www.sawaal.com]

- (a) 69 (b) 66
(c) 68 (d) 70 **(d)**

In a class of 78 students 41 are taking French, 22 are taking German. Of the students taking French or German, 9 are taking both courses. How many students are not enrolled in either course?

[www.sawaal.com]

- (a) 6 (b) 12
(c) 24 (d) 18 **(c)**

In a class there were 28 boys and some girls. In a test the mean score obtained by the boys was 12.5 while that obtained by the girls was 14.5. If the overall average was 13.1, what

was the total number of students in the class?

[www.sawaal.com]

- (a) 42 (b) 44
(c) 40 (d) 38 **(c)**

In a class, there are 40 boys and their average age is 16 years. One boy, aged 17 years, leaving the class and another joining, the average age becomes 15.875 years. The age of the new boy is :

[www.examveda.com; www.competoid.com]

- (a) 12 years (b) 14.5 years
(c) 15 years (d) 17 years **(a)**

In a class, there were 9 boys and some girls. In a test the mean score obtained by the boys was 12 while that obtained by the girls was 14. If the overall average was 13.1, what was the total number of students in the class?

[www.sawaal.com]

- (a) 21 (b) 20
(c) 22 (d) 19 **(b)**

In a family of 5 members, the average age at present is 33 years. The youngest member is 9 years old. The average age of the family just before the birth of the youngest members was :

[www.examveda.com; www.competoid.com]

- (a) 30 years (b) 29 years
(c) 25 years (d) 24 years **(a)**

In a family of 8 adults and some minors, the average consumption of rice per head per month is 10.8 kg; while the average, consumption for adults is 15 kg per head and for minors it is 6 kg per head. The number of minors in the family is :

[www.competoid.com]

- (a) 8 (b) 6
(c) 7 (d) 9 **(a)**

Answer: 7

In a group of 5 friends, the sum of age (in years) of each group of 4 of them are 124, 128, 130, 136 and 142. The age (in years) of the youngest of them is

[www.competoid.com]

- (a) 18 (b) 21
(c) 23 (d) 27 **(a)**

Answer: 23

In a match of 50 overs, team A's average runs for first thirty overs was 4.5 runs/over while for the remaining 20 overs the average

was 5.5 runs/over. Team B chased the target and lost by 10 runs. Find the average runs per over scored by team B. (team B played all the 50 overs).

[www.sawaal.com]

- (a) 4.4 (b) 5.2
(c) 4.7 (d) 4.6 **(c)**

In a match, average of runs scored by 7 players is 53. If the runs scored by 6 players are 121, 40, 26, 56, 37 and 48, then how many runs did the 7th player scored?

[www.sawaal.com]

- (a) 26 (b) 37
(c) 43 (d) 48 **(c)**

In a mixture of three varieties of oils, the ratio of their weight is 4 : 5 : 8. If 5 kg of oils of the first variety, 10 kg of the second variety and some quantity of oils of the third variety are added to the mixture, the ratio of the weights of three varieties of oils becomes as 5 : 7 : 9 in the final mixture, find the quantity of third variety of oil was ?

[www.sawaal.com]

- (a) 15 kg (b) 25 kg
(c) 35 kg (d) 45 kg **(d)**

In a particular week the average number of people who visited the Park is 40. If we exclude the holidays then the average is increased by 16. Further if we exclude also the day on which the maximum number of 112 people visited the Park, then the average becomes 42. The number of holidays in the week is

[www.sawaal.com]

- (a) 1 (b) 2
(c) 3 (d) 4 **(b)**

In a pre school, the average weight of 30 girls in a class among 50 students is 16 kg and that of the remaining students is 15.5 kg. What is the average weight of all the students in the class ?

[www.examveda.com; www.competoid.com]

- (a) 15.2 kg (b) 15.8 kg
(c) 15.4 kg (d) 15.6 kg **(b)**

In a school with 600 students, the average age of the boys is 12 years and that of the girls is 11 years. If the average of the school is 11 years 9 months, then the average the number of girls in the school is :

[www.examveda.com]

- (a) 150 (b) 250
(c) 350 (d) 450

(a)

In a school, the average age of students is 6 years, and the average age of 12 teachers is 40 years. If average age of combined group of all the teachers and students is 7 years, then the number of students is:

[www.competoid.com]

- (a) 396 (b) 400
(c) 408 (d) 416

@@

Answer: 396

In a set of three numbers, the average of first two numbers is 2, the average of the last two numbers is 3, and the average of the first and the last numbers is 4. What is the average of three numbers?

[www.examveda.com; www.lofoya.com]

- (a) 2 (b) 2.5
(c) 3 (d) 3.5

(c)

In a village the average age of n people is 42 years. But after the verification it was found that the age of a person had been considered 20 years less than the actual age, so the new average, after the correction, increased by 1. The value of n is :

[www.sawaal.com]

- (a) 21 (b) 20
(c) 22 (d) None of these

(b)

In a yoga class there were 12 members . Two members left the class and 4 new members joined. If the average age decreased by 4 years and the total age decreased by 2 years, what is the new average age of the class? (in years)

[www.competoid.com]

- (a) 22 (b) 27
(c) 23 (d) 28

@@

Answer: 23

In a Zumba class, the average age of all the members was 43.5 years. 10 members left the class and 6 new members joined. if the average age increased by 2 years and the total age decreased by 110, what was the number of members in the class initially?

[www.competoid.com]

- (a) 34 (b) 36
(c) 32 (d) 40

@@

Answer: 36

In an exam, the average marks obtained by Jhon in English, Math, Hindi and Drawing

were 50. His average mark in Maths, Science, Social Studies and Craft were 70. If the average mark in all seven subjects is 58, his score in Maths was -

[www.examveda.com; www.competoid.com]

- (a) 50 (b) 52
(c) 60 (d) 74

(d)

In an exam, the average marks obtained by the students was found to be 60. After omission of computational errors, the average marks of 100 candidates had to be changed from 60 to 30 and the average with respect to all the examinees came down to 45 marks. The total number of candidates who took the exam, was

[www.competoid.com]

- (a) 200 (b) 210
(c) 240 (d) 180

@@

Answer: 200

In an examination average marks obtained by the girls of a class is 85 and the average marks obtained by the boys of the same class is 87. If the girls and boys are in the ratio 4 : 5, average marks of the Whole class (approx.) is closest to

[www.competoid.com; www.examveda.com]

- (a) 86.5 (b) 85.9
(c) 86.4 (d) 86.1

@@

Answer: 86.1

In an examination, the average of marks was found to be 50. For deducting marks for computational errors, the marks of 100 candidates had to be changed from 90 to 60 each and so the average of marks came down to 45. The total number of candidates, who appeared in the examination, was:

[www.competoid.com]

- (a) 600 (b) 300
(c) 200 (d) 150

@@

Answer: 600

In an NGO the daily average wages of 20 illiterate employees is decreased from Rs.25 to Rs.10, thus the average salary of all the literate and illiterate employees is decreased Rs.10 per day. The No. of educated employees working in the NGO is :

[www.sawaal.com]

- (a) 15 (b) 20
(c) 10 (d) Data Insufficient

(c)

In the afternoon, a student read 100 pages at the rate of 60 pages per hour. In the evening, when she was tired, she read 100 more pages at the rate of 40 pages per hour. What was her average rate of reading the pages per hours ?

[www.examveda.com; www.competoid.com]

- (a) 60 (b) 70 (c) 48 (d) 50 **C**

In the first 32 overs of a cricket match, the run rate was 7.2 runs/over. What is the required run rate in the remaining 18 overs to reach the target of 297 runs?

[www.sawaal.com]

- (a) 4.3 (b) 4.9 (c) 3.1 (d) 3.7 **D**

In the first 39 overs of a cricket match, the run rate was 4.6 runs/over. Calculate the required run rate in the remaining 11 overs to reach the target of 252 runs?

[www.sawaal.com]

- (a) 7.2 (b) 5.7 (c) 6.3 (d) 6.6 **D**

In three numbers, the first is twice the second and thrice the third. If the average of these three numbers is 44, then the first number is -

[www.competoid.com]

- (a) 72 (b) 24 (c) 36 (d) 44 **@@**

Answer: 72

In which of the following the average is 100

[www.competoid.com]

- (a) 100, 105, 110, 112, 120 (b) 94, 95, 96, 97, 100 (c) 94, 99, 100, 101, 106 (d) None of these **@@**

Answer: 94, 99, 100, 101, 106

It costs Rs. p each to send the first thousand messages and Rs. q to send each subsequent one. If r is greater than 1,000, how many Rupees will it cost to send r messages ?

[www.sawaal.com]

- (a) $1000(r - p) + pq$ (b) $1000p + qr$ (c) $1000(r - q) + pr$ (d) $1000(p - q) + qr$ **D**

If $47a + 47b = 5452$, What is the average of a and b?

[www.competoid.com]

- (a) 116 (b) 23.5 (c) 96 (d) 58 **@@**

Answer: 58

If the average of m numbers is n^2 and that of n numbers m^2 , then the average of (m + n) number is

[www.competoid.com]

- (a) $\frac{m}{n}$ (b) $m + n$ (c) mn (d) $m - n$ **@@**

Answer: mn

Mean of 10 numbers is 30. Later on it was observed that numbers 15, 23 are wrongly taken as 51, 32. The correct mean is :

[www.examveda.com; www.competoid.com]

- (a) 25.5 (b) 32 (c) 30 (d) 34.5 **A**

Mr. Bundda travels in his car and covers $\frac{1}{4}$ part of his journey with 8 km/h, $\frac{3}{5}$ part with 6 km/h and remaining $\frac{3}{20}$ part with a speed of 10 km/h. Find out his average speed during the whole journey.

[www.competoid.com]

- (a) 6.83 km/h (b) 9 km/h (c) 4 km/h (d) 8.5 km/h **@@**

Answer: 6.83 km/h

Mr. Danny spends Rs.10000 monthly on average for the first four months and Rs.12000 monthly for the next eight months and saves Rs.26000 a year. His average monthly income is

[www.competoid.com]

- (a) Rs. 12500 (b) Rs. 14500 (c) Rs. 13500 (d) Rs. 1400 **@@**

Answer: Rs. 13500

Mukesh has twice as much money as Soham. Soham has 50% more money than Pankaj. If the average money with them is Rs. 110, then Mukesh has :

[www.examveda.com; www.competoid.com]

- (a) Rs. 155 (b) Rs. 160 (c) Rs. 180 (d) Rs. 175 **C**

Navaneet has thrice the money Poonam has and Poonam has 25% more money than Hebah. If the average money of the three is Rs. 350, What is the amount that Navaneet has ?

[www.sawaal.com]

- (a) Rs. 175 (b) Rs. 220.75 (c) Rs. 218.55 (d) Rs. 656.25 **D**

Nine friends have dinner in a hotel. Eight of them spent Rs 12 each on their meals and the

ninth spent Rs. 16 more than the average expenditure of all the nine. Find out the total money spent by them.

[www.competoid.com; www.examveda.com; www.lofoya.com]

- (a) Rs. 126 (b) Rs. 135
(c) Rs. 111 (d) Rs. 141 @@

Answer: Rs. 126

Nine students of a class contribute a certain sum of money. Seven of them gave Rs. 50 each and the other two gave respectively Rs. 50 and Rs. 90 more than the others. The average contribution of the class of 9 students is

[www.sawaal.com]

- (a) Rs. 70 (b) Rs. 50
(c) Rs. 100 (d) Rs. 120 @

Of the 5 subjects, the average marks of Rakesh in first 3 Subjects was 79 and the average marks in the last 3 subjects was 86. If his marks in the third subject was 80, then what was his average marks in all the 5 subjects?

[www.sawaal.com]

- (a) 81 (b) 82
(c) 83 (d) 85 @

Of the following, which is greater than $\frac{1}{2}$?

[www.sawaal.com]

- (a) $\frac{2}{5}$ (b) $\frac{4}{7}$
(c) $\frac{4}{9}$ (d) $\frac{5}{11}$ @

Of the four numbers, whose average is 60, the first is one-fourth of the sum of the last three. The first number is :

[www.sawaal.com]

- (a) 17 (b) 29
(c) 36 (d) 48 @

Of the three numbers Whose average is 60, the first is one fourth of the sum of the whole number. The first number is :

[www.competoid.com]

- (a) 30 (b) 36
(c) 42 (d) 45 @@

Answer: 45

Of the three numbers, second is twice the first and is the thrice the third. If average of the three numbers is 44, then largest number is

[www.competoid.com]

- (a) 48 (b) 36
(c) 72 (d) 60 @@

Answer: 72

Of the three numbers, the first is twice the second and the second is twice the third. The average of the reciprocal of the numbers is

[www.examveda.com]

- (a) 16, 8, 4 (b) 20, 10, 5
(c) 24, 12, 6 (d) 36, 18, 9 @

Of the three numbers, the first is twice the second and the second is twice the third. The average of these numbers is 21. Find the largest number out of these.

[www.competoid.com]

- (a) 36 (b) 38
(c) 47 (d) 48 @@

Answer: 36

Of the three numbers, the first is twice the second and the second is thrice the third. If the average of the three numbers is 10, the largest number is :

[www.competoid.com]

- (a) 12 (b) 15
(c) 18 (d) 30 @@

Answer: 18

On 5 days the price of the gold was Rs.380 on each day. On the next 10 days the price was Rs.390 on each day. What was the daily average price?

[www.competoid.com]

- (a) Rs.385.00 (b) Rs.386.67
(c) Rs.390.00 (d) None of these @@

Answer: Rs.386.67

On a certain day, temperatures recorded in Noida are as follows:
Time: 6 A.M. 12 A.M. 6 P.M. 12 P.M.
Temp 25°C 26.5°C 25.5°C 23°C
The average temperature for the day is

[www.competoid.com]

- (a) 25.8°C (b) 25°C
(c) 25.2°C (d) 25.4°C @@

Answer: 25°C

On a school's Annual day sweets were to be equally distributed amongst 112 children. But on that particular day, 32 children were absent. Thus the remaining children got 6 extra sweets. How many sweets was each child originally supposed to get ?

[www.sawaal.com]

- (a) 14 (b) 16

- (c) 12 (d) 15 (d)
On mixing two classes A and B of students having average marks 25 and 40 respectively, the over all average obtained is 30. Find the ratio of the students in the classes A and B.

[www.competoid.com]

- (a) 2 : 1 (b) 5 : 8
 (c) 5 : 6 (d) 3 : 4 @@

Answer: 2 : 1

- ##** One-fourth of certain journey is covered at the rate of 25 km/h, one-third at the rate of 30 km/h and the rest at 50 km/h. Find the average speed for the whole journey.

[www.examveda.com]

- (a) 6005360053 km/h (b) 120053120053 km/h
 (c) 180053180053 km/h (d) 160053160053 km/h
 (e) None of these (c)

- ##** Out of 20 boys, 6 are each of 1 m 15 cm height, 8 are of 1 m 10 cm and rest of 1 m 12 cm. The average height of all of them is :

[www.examveda.com; www.competoid.com]

- (a) 1 m 12.1 cm (b) 1 m 21.1 cm
 (c) 1 m 21 cm (d) 1 m 12 cm (a)

- ##** Out of four numbers the average of the first three is 16 and that of the last three is 15. If the last number is 20, then first number is :

[www.examveda.com; www.competoid.com]

- (a) 25 (b) 21
 (c) 23 (d) 28 (c)

- ##** Out of four numbers, the average of first three is 16 and that of the last three is 15. If last number is 18, then first number is

[www.competoid.com]

- (a) 22 (b) 21
 (c) 24 (d) 19 @@

Answer: 21

- ##** Out of the five integral numbers C is the average of A and D. B is greater than C and less than D. Also B is the average of A and E. The middle most number in the sequence

[www.sawaal.com]

- (a) A (b) B
 (c) C (d) D (b)

- ##** Out of three numbers, the first is twice the second and is half of the third. If the average of the three numbers is 56, what will be the sum of the highest number and the lowest number?

[www.sawaal.com]

- (a) 120 (b) 160
 (c) 80 (d) 60 (a)

- ##** P, Q, R, S, T and U are six consecutive odd numbers and their average is 52. What is the product of P and U ?

[www.sawaal.com]

- (a) 2212 (b) 2154
 (c) 2349 (d) 2679 (d)

- ##** Rambabu has twice as much as Santosh and Santosh has 50% more money than what Sunil has. If average money with them is Rs.110, then Rambabu has

[www.competoid.com]

- (a) Rs. 160 (b) Rs. 175
 (c) Rs. 170 (d) Rs. 180 @@

Answer: Rs. 180

- ##** Ram's present age is three times his son's present age and two-fifth of his father's present age. The average of the present age of all of them is 46 years. What is the difference between the Ram's son's present age and Ram's father's present age?

[www.competoid.com]

- (a) 68 years (b) 88 years
 (c) 58 years (d) None of these @@

Answer: None of these

- ##** Roshan bought 5 pants at Rs.25 each, 10 shirts at Rs.50 each and 15 ties at Rs.35 each. Find the average price of all the articles.

[www.competoid.com]

- (a) Rs.38.33 (b) Rs.45
 (c) Rs.60 (d) Rs.45.33 @@

Answer: Rs.38.33

- ##** Sachin Tendulkar has a certain average for 11 innings. In the 12th innings he scores 120 runs and thereby increases his average by 5 runs. His new average is :

[www.examveda.com]

- (a) 60 (b) 62
 (c) 65 (d) 66 (c)

- ##** Seema's present age is four times her son's present age and four-seventh of her father's present age. The average of the present age of all three of them is 32 years. What is the difference between the Seema's son's present age and Seema's father's present age?

[www.competoid.com]

- (a) 44 years (b) 48 years
 (c) 46 years (d) Cannot be determined

@@

Answer: 48 years

- ## Seven friends spent Rs 14 each on a project and the eighth friend spent Rs 21 more than the average expenditure of all eight of them. What is the amount of total money (in Rs) spent by them?

[www.sawaal.com]

- (a) 133 (b) 136
(c) 141 (d) 155 **b**

- ## Seven years ago, the average age of A, B and C was 51 years. If A is 3 years older than B and B is 3 years older than C then the present ages of A, B and C are (in year)

[www.sawaal.com]

- (a) 61, 58 and 55 (b) 54, 51, and 48
(c) 55, 58, and 61 (d) 48, 51 and 54 **a**

- ## Six consecutive numbers are arranged in decreasing order. The average of the first five numbers is 30 and the average of the last five numbers is 25. The difference of the first and the last numbers is:

[www.competoid.com]

- (a) 5 (b) 20
(c) 25 (d) 30 **@@**

Answer: 5

- ## Six tables and twelve chairs were bought for Rs. 7,800. If the average price of a table is Rs. 750, then the average price of a chair would be :

[www.competoid.com; www.examveda.com]

- (a) Rs. 250 (b) Rs. 275
(c) Rs. 150 (d) Rs. 175 **@@**

Answer: Rs. 275

- ## Some students planned a picnic. The budget for food was Rs.500. But 5 of them failed to go and thus the cost of food for each member increased by Rs.5. How many students attend the picnic?

[www.competoid.com]

- (a) 15 (b) 25
(c) 20 (d) 30 **@@**

Answer: 20

- ## Sripad has scored average of 65 marks in three subjects. In no subjects has he secured less than 58 marks. He has secured more marks in Maths than other two subjects. What could be his maximum score in Maths?

[www.sawaal.com]

- (a) 79 (b) 77

- (c) 76 (d) 73 **a**

- ## Starting with 8000 workers, the company increases the number of workers by 5%, 10% and 20% at the end of first, second and third year respectively. The number of workers in the fourth year was

[www.sawaal.com]

- (a) 10188 (b) 11088
(c) 11008 (d) 11808 **b**

- ## Students of three different classes appeared in common examination. Pass average of 10 students of first class was 70%, pass average of 15 students of second class was 60% and pass average of 25 students of third class was 80% then what will be the pass average of all students of three classes?

[www.examveda.com]

- (a) 74% (b) 75%
(c) 69% (d) 72% **d**

- ## The age of Jaya 10 years ago is equal to Simaran's present age. The sum of Jaya's age 8 years hence from today and Simaran's age 12 years ago is 90 years. What was the age of Komal 13 years ago from now if Komal is 9 years younger than Simaran?

[www.competoid.com]

- (a) 42 years (b) 33 years
(c) 20 years (d) 22 years **@@**

Answer: 20 years

- ## The ages of three sisters in a family are 16,12 and 5 years respectively. What is their average?

[www.competoid.com]

- (a) 11 (b) 13
(c) 15 (d) 17 **@@**

Answer: 11

- ## The arithmetic mean (average) of the first 10 whole number is

[www.competoid.com]

- (a) 5 (b) 4
(c) 5.5 (d) 4.5 **@@**

Answer: 4

- ## The arithmetic mean of the following numbers : 1, 2, 2, 3, 3, 3, 4, 4, 4, 4, 5, 5, 5, 5, 5, 6, 6, 6, 6, 6 and 7, 7, 7, 7, 7, 7 is -

[www.examveda.com; www.competoid.com]

- (a) 4 (b) 5
(c) 14 (d) 20 **b**

- ## The average (arithmetic mean) amount of savings of ten students is Rs. 600. Three of

the students have no savings at all and each of the others have at least Rs.250 including Nihar, who has exactly Rs. 1300. The largest amount in Rs. that any one student could have is

[www.competoid.com]

- (a) 3250 (b) 3450
(c) 3650 (d) 3850

@@

Answer: 3450

The average (arithmetic mean) of 330, 360 and 390 is :

[www.examveda.com]

- (a) $327 + 357 + 387$ (b) $329 + 359 + 389$
(c) 360 (d) 3177

(b)

The average (arithmetic mean) of x and y is 40. If z = 10, then what is the average of x, y and z?

[www.competoid.com]

- (a) $16\frac{2}{3}$ (b) 30
(c) 25 (d) $17\frac{1}{2}$

@@

Answer: 30

The average (arithmetic mean) of 3^{30} , 3^{60} and 3^{90} is

[www.competoid.com]

- (a) $3^{27} + 3^{57} + 3^{87}$ (b) $3^{29} + 3^{59} + 3^{89}$
(c) 3^{60} (d) 3^{177}

@@

Answer: $3^{29} + 3^{59} + 3^{89}$

The average age of 10 children is 9 years 9 months. The average of 9 children is 8 years 11 months. What is the age of the tenth child ?

[www.examveda.com; www.competoid.com]

- (a) 17 years 3 months (b) 18 years 4 months
(c) 17 years 5 months (d) 18 years 3 months

(a)

The average age of 11 players of a cricket team decreases by 2 months when two new players are included in the team replacing two players of age 17 years and 2 years. The average age of new players is :

[www.examveda.com; www.competoid.com]

- (a) 17 years 1 month (b) 17 years 7 month
(c) 17 years 11 month (d) 18 years 3 month

(b)

The average age of 11 players of a cricket team is increased by 2 months when two of them aged 18 years and 20 years are replaced by two new players. The average age of the new players is :

[www.examveda.com; www.competoid.com]

- (a) 19 years 1 month (b) 19 years 6 months
(c) 19 years 11 months (d) 19 years 5 months

(c)

The average age of 120 members of a society is 60.7 years. By addition of 30 new members, the average age becomes 56.3 years. What is the average age (in years) of newly joined members?

[www.sawaal.com]

- (a) 36.5 (b) 37.2
(c) 38.3 (d) 38.7

(d)

The average age of 14 girls and their teacher's age is 15 yr. If teacher's age is excluded, then the average reduced by 1. What is the teacher's age?

[www.competoid.com]

- (a) 29 yr (b) 35 yr
(c) 32 yr (d) 30 yr

@@

Answer: 29 yr

The average age of 15 students of a class is 15 years. Out of these, the average age of 5 students is 14 years and that of the other 9 students is 16 years, The age of the 15th student is :

[www.sawaal.com]

- (a) 11 (b) 12
(c) 13 (d) 14

(a)

The average age of 15 students of a class is 15 years. Out of these the average age of 5 students is 14 years and that of the other 9 students is 16 years. The age of the 15th student is:

[www.competoid.com]

- (a) 11 years (b) 15 years
(c) $15\frac{2}{7}$ years (d) 14 years

@@

Answer: 11 years

The average age of 20 boys in a class is 12 years. 5 new boys are admitted to the class whose average age is 7 years. The average age of all the boys in the class becomes:

[www.examveda.com; www.competoid.com]

- (a) 8.2 years (b) 9.5 years
(c) 12.5 years (d) 11 years

(d)

The average age of 20 students in a class is 15 years. One more boy Joins the class and thereby increases the average by 4 months. What is the age of the new boy?

[www.competoid.com]

- (a) 24 years (b) 23 years

(c) 22 years (d) 21 years @@
Answer: 22 years

The average age of 24 boys and the teacher is 15 years. When teacher's age is excluded, the average decreases by 1. What is the age of the teacher?

[www.competoid.com; www.examveda.com]

(a) 38 years (b) 39 years
(c) 40 years (d) 36 years @@

Answer: 39 years

The average age of 24 students is 12 years. It was observed that while calculating the average age, the age of a student was taken as 14 years instead of 8 years. What will be the correct average age (in years)?

[www.sawaal.com]

(a) 11.25 (b) 11.5
(c) 11.75 (d) 12.25 (c)

The average age of 30 boys in a class in 15 years. One boy, aged 20 years, left the class, but two new boys came in his place whose age differs by 5 years. If the average age of all the boys now in the class becomes 15 years, the age of the younger newcomer is :

[www.examveda.com; www.competoid.com]

(a) 20 years (b) 15 years
(c) 10 years (d) 8 years (b)

The average age of 30 girls is 13 yr. The average of first 18 girls is 15 yr. Find out the average age of remaining 12 girls.

[www.competoid.com]

(a) 12 yr (b) 10 yr
(c) 16 yr (d) 10.5 yr @@

Answer: 10 yr

The average age of 30 students is 9 years. If age of their teacher is included, it becomes 10 years. The age of teacher (in years) is

[www.competoid.com; www.examveda.com]

(a) 27 years (b) 31 years
(c) 35 years (d) 40 years @@

Answer: 40 years

The average age of 30 students of a class is 12 years. The average age of a group of 5 of the students is 10 years and that of another group of 5 of them is 14 years. What is the average age of the remaining students?

[www.competoid.com]

(a) 8 years (b) 10 years
(c) 12 years (d) 14 years @@

Answer: 12 years

The average age of 30 students of a class is 14 year 4 month. After admission of 5 new student in the class the average becomes 13 year 9 month. The youngest one of the five new students is 9 year 11 month old. The average age of the remaining 4 new students is

[www.competoid.com; www.examveda.com]

(a) 10 years 4 months (b) 12 years 4 months
(c) 11 years 2 months (d) 13 years 6 months @@

Answer: 10 years 4 months

The average age of 30 women decreases by 3 months if a new person Priyanka is included in place of a 25 yr old woman. Calculate the age of Priyanka

[www.competoid.com]

(a) 17.5 yr (b) 20 yr
(c) 30 yr (d) 22 yr @@

Answer: 17.5 yr

The average age of 36 students in a group is 14 years. When teacher's age is included to it, the average increases by one. What is the teacher's age in years ?

[www.sawaal.com]

(a) 35 years (b) 45 years
(c) 51 years (d) 54 years (c)

The average age of 36 students in a group is 14 years. When the teacher's age is included in it, the average increases by one year. The teacher's age in years is:

[www.competoid.com]

(a) 31 (b) 51
(c) 36 (d) 50 @@

Answer: 51

The average age of 4 members of a family is 25 yr. If head of the family is included in this group, then average age increases by 20%. Find out the age of the head.

[www.competoid.com]

(a) 45 yr (b) 50 yr
(c) 55 yr (d) 60 yr @@

Answer: 50 yr

The average age of 40 students of a class is 15 years. When 10 new students are admitted, the average is increased by 0.2 year. The average age of the new students is :

[www.examveda.com; www.competoid.com]

(a) 15.2 years (b) 16 years
(c) 16.2 years (d) 16.4 years (b)

The average age of 40 students of class is 18 years. When 20 new students are admitted to the same class, the average age of the students of the class is increased by 6 months. The average age of newly admitted students is ?

[www.examveda.com; www.competoid.com]

- (a) 19 years (b) 19 years 6 months
(c) 20 years (d) 20 years 6 months **(b)**

The average age of 5 boys in a class is 20 years. A new boy joins and makes their average by 21 years. What is the age of the new comer?

[www.competoid.com]

- (a) 23 years (b) 24 years
(c) 26 years (d) 27 years **(a)**

Answer: 26 years

The average age of 5 boys is 12 years. The average age of 3 others is 16 years. The average age of all the 8 boys is:

[www.competoid.com]

- (a) $13\frac{1}{2}$ years (b) 14 years
(c) $12\frac{1}{2}$ years (d) 13 years **(a)**

Answer: 13121312 years

The average age of 5 members of a family is 25 yr. If the servant of the family is included, the average age increases by 40%. What is the age of servant?

[www.competoid.com]

- (a) 85 yr (b) 90 yr
(c) 73 yr (d) 55 yr **(a)**

Answer: 85 yr

The average age of 7 boys is increased by 1 year when one of them whose age is replaced by a girl. What is the age of the girl ?

[www.sawaal.com]

- (a) 33 yrs (b) 27 yrs
(c) 21 yrs (d) 29 yrs **(d)**

The average age of 7 members of a family is 40 years. In the family, there are three men, three women and one boy. If the average age of three men is 48 years and average age of three women is 44 years, then the age of the boy is:

[www.competoid.com]

- (a) 6 years (b) 2 years
(c) 4 years (d) 8 years **(a)**

Answer: 4 years

The average age of 8 men is increased by 2 years when two of them whose age are 21 and 23 years replaced by two new men. The average age of the two new men is :

[www.competoid.com]

- (a) 22 years (b) 24 years
(c) 28 years (d) 30 years **(a)**

Answer: 30 years

The average age of 80 boys in a class is 15 years. The average age of a group of 15 boys in the class is 16 years and the average age of another 25 boys in the class is 14 years. What is the average age of the remaining boys in the class?

[www.sawaal.com]

- (a) 15.25 years (b) 14 years
(c) 14.75 years (d) Cannot be determined **(a)**

The average age of 80 boys in a class is 15 years. The average age of a group of 15 boys in the class is 16 years and the average age of another 25 boys in the class is 14 years. What is the average age of the remaining boys in the class?

[www.competoid.com]

- (a) 15.25 years (b) 14 years
(c) 14.75 years (d) Cannot be determined **(a)**

Answer: 15.25 years

The average age of 80 girls was 20 years. the average age of 20 of them was 22 years and that of another 20 was 24 years. Find the average age of the remaining girls.

[www.competoid.com]

- (a) 17 years (b) 19 years
(c) 21 years (d) 15 years **(a)**

Answer: 17 years

The average age of 9 students and their teacher is 16 years. The average age of the first four students is 19 years and that of the last five is 10 years. The teacher's age is -

[www.examveda.com; www.competoid.com]

- (a) 36 years (b) 34 years
(c) 30 years (d) 28 years **(b)**

The average age of A and B is 20 years. If A is to be replaced by C, the average would be 19 years, The average age of C and A is 21 years. The ages of A, B and C in order (in years) are

[www.competoid.com]

- (a) 18, 22, 20 (b) 18, 20, 22
(c) 22, 18, 20 (d) 22, 20, 18 @@

Answer: 22, 18, 20

The average age of a class is 15.8 years. The average age of the boys in the class is 16.4 years while that of the girls is 15.4 years. The ratio of boys to girls in the class is:

[www.competoid.com]

- (a) 3 : 5 (b) 2 : 3
(c) 3 : 4 (d) 1 : 2 @@

Answer: 2 : 3

The average age of a class is 19 years. While the average age of girls is 18 and that of boys is 21. If the number of girls in the class is 16, Find the number of Boys in the class?

[www.sawaal.com]

- (a) 12 (b) 10
(c) 8 (d) 6 C

The average age of a class of 39 students is 15 years. If the age of the teacher is included, then the average increases by 3 months. Find the age of the teacher.

[www.examveda.com; www.competoid.com]

- (a) 30 years (b) 25 years
(c) 35 years (d) 40 years b

The average age of a committee of 11 persons increases by 2 yr when 3 men of 32 yr, 34 Yr and 33 yr are replaced by 3 women. What will be the average age of those 3 women?

[www.competoid.com]

- (a) 40 yr (b) 41134113 yr
(c) 41 yr (d) 40134013 yr @@

Answer: 40134013 yr

The average age of a cricket team of 11 players is the same as it was 3 years back because 3 of the players whose current average age of 33 years are replaced by 3 youngsters. The average age of the new comers is :

[www.examveda.com; www.competoid.com]

- (a) 23 years (b) 21 years
(c) 22 years (d) 20 years C

The average age of a family of 10 members is 20 years. If the age of the youngest member of the family is 10 years, then the average age of the members of the family just before the birth of the youngest member was approximately.

[www.examveda.com; www.competoid.com]

- (a) 27.14 years (b) 12.5 years
(c) 14.28 years (d) $11\frac{1}{9}$ years d

The average age of a family of 5 members is 20 years. If the age of the youngest member be 10 years then what was the average age of the family at the time of the birth of the youngest member?

[www.examveda.com; www.lofoya.com]

- (a) 13.5 (b) 14
(c) 15 (d) 12.5 d

The average age of a family with 5 members is 28. If one of the 5 members of age 20 is excluded the average age of the family becomes -

[www.examveda.com]

- (a) 25 (b) 20
(c) 30 (d) 24 C

The average age of a husband and his wife was 27 years when the child was born, the average age of the husband, the wife and a new-born child is 21 years now. The present age of the child is :

[www.competoid.com]

- (a) 4 years (b) 3 years
(c) 2 years (d) 1 year @@

Answer: 3 years

The average age of a husband and wife, who were married 4 years ago, was 25 years at the time of their marriage. The average age of the family consisting of husband, wife and a child, born during the interval is 20 years today. The age of the child is:

[www.competoid.com]

- (a) 1 years (b) 2 years
(c) 2.5 years (d) 3 years @@

Answer: 2 years

The average age of eleven cricket players is 20 years. If the age of the coach is also included, the average age increased by 10%. The age of the coach is :

[www.competoid.com]

- (a) 48 years (b) 44 years
(c) 40 years (d) 36 years @@

Answer: 44 years

The average age of family with 5 members is 28 .If one of the members of age 20 is excluded the average age of the family becomes

[www.competoid.com]

- (a) 25 (b) 20
(c) 30 (d) 24

@@

Answer: 30

The average age of four boys A, B, C and D is 5 years and the average age A, B, D, E is 6 years. C is 8 years old. The age of E is (in years) :

[www.examveda.com; www.competoid.com]

- (a) 12 (b) 13
(c) 14 (d) 15

a

The average age of four brothers is 12 years. If the age of their mother is also included, the average is increased by 5 years. The age of the mother (in years) is :

[www.examveda.com; www.competoid.com]

- (a) 37 years (b) 43 years
(c) 48 years (d) 53 years

a

The average age of group of 20 girls is 15 years and that of another group of 25 boys it is 24 years. The average age of the two groups mixed together is :

[www.examveda.com; www.competoid.com]

- (a) 19.5 years (b) 20 years
(c) 21 years (d) 21.5 years

b

The average age of husband and his wife was 23 years at the time of their marriage. After five years they have a one-year old child. The average age of the family of three, when the child was born, was-

[www.examveda.com; www.competoid.com]

- (a) 23 years (b) 24 years
(c) 18 years (d) 20 years

c

The average age of husband and wife who were married 7 years ago was 25 years then. The average age of the family including the husband, wife and the child born, during the interval is 22 years now. How old is the child now?

[www.competoid.com]

- (a) 2 years (b) 7 years
(c) 4 years (d) 3 years

@@

Answer: 2 years

The average age of mother and her six children is 12 years, which is reduced by 5 years if the age of mother is excluded. The age of the mother (in yrs) is:

[www.competoid.com; www.examveda.com]

- (a) 40 (b) 50
(c) 42 (d) 48

@@

Answer: 42

The average age of P, Q and R is 15 years more than R's age. If the total age of P and Q together is 39 years, then R's age is ?

[www.competoid.com; www.examveda.com]

- (a) 12 years (b) 24 years
(c) 16 years (d) 14 years

a

The average age of Ram and his two children is 17 years and the average age of Ram's wife and the same children is 16 years. If the age of Ram is 33 years, the age of his wife is (in years) :

[www.competoid.com; www.examveda.com]

- (a) 31 years (b) 32 years
(c) 35 years (d) 30 years

d

The average age of some males and 15 females is 18 years. The sum of the ages of 15 females is 240 years and average age of males is 20 years. Find the number of males.

[www.competoid.com]

- (a) 8 (b) 7
(c) 10 (d) 15

@@

Answer: 15

The average age of students of a class is 15.8 yr. The average age of boys in the class is 16.4 yr and that of the girls is 15.4 year. Find out the ratio of the number of boys to the number of girls in the class

[www.competoid.com]

- (a) 3 : 1 (b) 5 : 2
(c) 2 : 3 (d) 3 : 7

@@

Answer: 2 : 3

The average age of the district level hockey team of eleven is 22 years. The average age gets increased by 1 year when the coach age is also included. What is the age of the coach ?

[www.sawaal.com]

- (a) 33 yrs (b) 34 yrs
(c) 35 yrs (d) 36 yrs

b

The average age of the family of five members is 24. If the present age of youngest member is 8 years, then what was the average age of the family at the time of the birth of the youngest member?

[www.competoid.com]

- (a) 20 years (b) 16 years
(c) 12 years (d) 18 years

@@

Answer: 16 years

The average age of three boys is 15 years. If their ages are in ratio 3 : 5 : 7, the age of the

youngest boy is

[www.examveda.com]

- (a) 21 years (b) 18 years
(c) 15 years (d) 9 years
(e) 12 years **(d)**

The average age of three boys is 15 yr. If the ratio of their ages is 3 : 5 : 7, what is the age of the oldest boy?

[www.competoid.com]

- (a) 7 year (b) 14 year
(c) 20 year (d) 21 year @@

Answer: 21 year

The average age of two boys and their father is greater than the average age of those two boys and their mother by 3 yr. The average age of the four is 19 yr, If the average age of the two boys be $5\frac{1}{2}$ yr, then find the age of the father and mother.

[www.competoid.com]

- (a) 37 yr and 28 yr (b) 47 yr and 38 yr
(c) 50 yr and 41 yr (d) 35 yr and 32 yr @@

Answer: 37 yr and 28 yr

The average daily income of 7 men, 11 women and 2 boys is Rs. 257.50. If the average daily income of the men is Rs. 10 more than that of women and the average daily income of the women is Rs. 10 more than that of boys the average daily income of a man is -

[www.examveda.com; www.competoid.com]

- (a) Rs. 277.50 (b) Rs. 250
(c) Rs. 265 (d) Rs. 257 **(c)**

The average expenditure of a man for the first five months is Rs.160 and the next seven months is Rs.180. His monthly average income if he saves Rs.340 In that year is

[www.competoid.com]

- (a) Rs.250 (b) Rs.200
(c) Rs.300 (d) Rs.340 @@

Answer: Rs.200

The average expenditure of a man for the first five months of a year is Rs.5,000 and for the next seven months is Rs. 2,300 during a year. His average monthly expenditure is:

[www.competoid.com]

- (a) Rs. 5,000 (b) Rs. 5,446
(c) Rs. 3,425 (d) Rs. 5,600 @@

Answer: Rs. 3,425

The average expenditure of the hotel when there are 10 guests is Rs. 60 per guests and

the average expenditure is Rs.40 when there are 20 Guests. If it is known that there are some fixed expenses irrespective of the number of guests then the average expenditure per guest whe there are 40 guests in the hotel.

[www.sawaal.com]

- (a) Rs. 30 (b) Rs. 25
(c) Rs. 20 (d) can't be determined **(a)**

The average height of 16 students is 142 cm. If the height of the teacher is included, the average height increases by 1 cm. The height of the teacher is

[www.competoid.com]

- (a) 156 cm (b) 159 cm
(c) 158 cm (d) 157 cm @@

Answer: 159 cm

The average height of 27 persons was recorded as 162 cm. If the height of Shreya was deleted from the observation, the average height reduced by 1 cm. What was Shreya's height?

[www.competoid.com]

- (a) 184 cm. (b) 226 cm.
(c) 179 cm. (d) None of these @@

Answer: None of these

The average height of 30 boys out of a class of 50 is 160 cm. If the average height of the remaining boys is 165 cm, the average height of the whole class (in cm) is :

[www.examveda.com; www.competoid.com]

- (a) 161 (b) 162
(c) 163 (d) 164 **(b)**

The average height of the basketball team A is 5 ft. 11 inches and that of B is 6 ft. 2 inches. There are 20 players in team A and 18 players in team B. The overall average height is

[www.competoid.com]

- (a) 72.42 inches (b) 71.00 inches
(c) 70.22 inches (d) 70.00 inches @@

Answer: 72.42 inches

The average income of 40 persons is Rs. 4200 and that of another 35 persons is Rs. 4000. The average income of the whole group is :

[www.competoid.com]

- (a) 4100 (b) $4106\frac{1}{3}$
(c) $4106\frac{2}{3}$ (d) $4108\frac{2}{3}$ @@

Answer: 410623410623

- ## The average income of A, B and C is Rs. 12,000 per month and average income of B, C and D is Rs. 15,000 per month. If the average salary of D be twice that of A, then the average salary of B and C is in Rs. :

[www.examveda.com]

- (a) 8,000 (b) 18,000
(c) 13,500 (d) 9,000 **(c)**

- ## The average income of sample A is 300 and the average income of sample B is 200. Their sizes are 10 and 15 respectively. Find the combined average.

[www.competoid.com]

- (a) 240 (b) 20
(c) 230 (d) None of these **@@**

Answer: 240

- ## The average mark of student in 4 subjects is 75. If the student obtained 80 marks in the fifth subject, then the new average is-

[www.examveda.com]

- (a) 72.5 (b) 76
(c) 77 (d) 77.5 **(b)**

- ## The average marks in English subject of a class of 24 students is 56. If the marks of three students were misread as 44, 45 and 61 of the actual marks 48, 59 and 67 respectively, then what would be the correct average?

[www.competoid.com]

- (a) 56 (b) 55
(c) 57.5 (d) None of these **@@**

Answer: None of these

- ## The average marks obtained by 120 candidates was 35. The average marks of passed candidates was 39 and that of failed candidates was 15. Then the number of candidates passed in the examination was

[www.competoid.com]

- (a) 100 (b) 125
(c) 85 (d) 65 **@@**

Answer: 100

- ## The average marks obtained by 40 students of a class is 86. If the 5 highest marks are removed, the average reduces by one mark. The average marks of the top 5 students is

[www.competoid.com]

- (a) 92 (b) 96
(c) 93 (d) 97 **@@**

Answer: 93

- ## The average marks obtained by a class of 60 students is 65. The average marks of half of the students is found to be 85. The average marks of the remaining students is :

[www.examveda.com; www.competoid.com]

- (a) 35 (b) 45
(c) 55 (d) 65 **(b)**

- ## The average marks obtained by a student in 6 subjects is 88. On subsequent verification it was found that the marks obtained by him in a subject was wrongly copied as 86 instead of 68. The correct average of the marks obtained by him is:

[www.competoid.com]

- (a) 87 (b) 86
(c) 85 (d) 84 **@@**

Answer: 85

- ## The average marks of 120 students are 35. If the average of passed students was 39 and failed students was 15, then find the number of students who have passed.

[www.competoid.com]

- (a) 80 (b) 100
(c) 120 (d) 140 **@@**

Answer: 100

- ## The average marks of 14 students was 71. But it was found that for two students, the marks were entered wrongly as 42 instead of 56 and 74 instead of 32. Then the correct average is

[www.competoid.com; www.examveda.com]

- (a) 66 (b) 76
(c) 69 (d) 68 **@@**

Answer: 69

- ## The average marks of 30 students are 45 but after checking, there are two mistakes found. After adjustment, if a student got 45 more marks and other student got 15 less marks, then what will be the adjusted average?

[www.competoid.com]

- (a) 45 (b) 44
(c) 47 (d) 46 **@@**

Answer: 44

- ## The average marks of 32 boys of section A of class X is 60 whereas the average marks of 40 boys of section B of class X is 33. The average marks for both the sections combined together is :

[www.competoid.com]

- (a) 44 (b) 45

- (c) $46\frac{1}{2}$ (d) $45\frac{1}{2}$ @@

Answer: 45

The average marks of 40 students in an examination was 34. It was later found that the marks of one student had been wrongly entered as 62 instead of 26. what is the correct average?

[www.sawaal.com]

- (a) 33.1 (b) 33.3
(c) 33.5 (d) 33.7 (a)

The average marks of 50 students in a class is 72. The average marks of boys and girls in that subject are 70 and 75 respectively. The number of boys in the class is:

[www.competoid.com]

- (a) 30 (b) 20
(c) 35 (d) 25 @@

Answer: 30

The average marks of 8 students was found to be 80. However it was later found that the value 90 was wrongly copied as 82. What is the corrected average?

[www.competoid.com]

- (a) 82 (b) 81
(c) 80 (d) 79 @@

Answer: 81

The average marks of a class of 35 children is 35. the marks of one of the student, Who got 35, was incorrectly entered as 65. What is the correct average of the class?

[www.competoid.com]

- (a) 33.76 (b) 34.14
(c) 35.24 (d) 36.5 @@

Answer: 34.14

The average marks of a student in 7 subjects is 85. His average marks in 6 subjects except English is 83. What is his marks in English ?

[www.sawaal.com]

- (a) 97 (b) 98
(c) 92 (d) 93 (a)

The average marks of four subjects is 120. If 33 was misread as 13 during the calculation, what will be the correct average?

[www.examveda.com]

- (a) 122 (b) 120
(c) 125 (d) 121 (c)

The average mathematics marks of two Sections A and B of class IX in the annual examination is 74. The average marks of

Section A is 77.5 and that of Section B is 70. The ratio of the number of students of Section A and B is :

[www.competoid.com]

- (a) 7 : 8 (b) 7 : 5
(c) 8 : 7 (d) 8 : 5 @@

Answer: 8 : 7

The average monthly expenditure of a family was Rs.2200 during the first 3 months; Rs.2250 during the next 4 months and Rs.3120 during the last 5 months of a year. If the total savings during the year were 1260. then the average monthly income was-

[www.competoid.com]

- (a) Rs.2605 (b) Rs.2805
(c) Rs.2705 (d) Rs.2905 @@

Answer: Rs.2705

The average monthly income (in Rs.) of certain agricultural workers is S and that of other workers is T. The number of agricultural workers is 11 times that of other workers. Then the average monthly income (in Rs.) of all the workers is :

[www.competoid.com]

- (a) $\frac{A + 11T}{12}$ (b) $\frac{S + T}{12}$
(c) $\frac{11S + T}{12}$ (d) $\frac{1}{11S} + T$ @@

Answer: $11S + T$

The average monthly income of 4 earning members of a family is Rs.7350. One member passes away and the average monthly income becomes Rs.6500. What was the monthly income of the person, who is no more?

[www.competoid.com]

- (a) Rs.6928 (b) Rs.8200
(c) Rs.9900 (d) Rs.13850 @@

Answer: Rs.9900

The average monthly income of A and B is Rs. 14000, that of B and C is Rs. 15600 and A and C is Rs. 14400. The monthly income of C is :

[www.examveda.com]

- (a) Rs. 16000 (b) Rs. 15000
(c) Rs. 14000 (d) Rs. 15500 (a)

The average monthly income of A and B is Rs. 15,050, the average monthly income of B and C is Rs. 15,350 and the average income of A and C is Rs. 15,200. The monthly

income of A is.

[www.competoid.com]

- (a) Rs. 15,200 (b) Rs. 14,900
(c) Rs. 15,500 (d) Rs. 15,900 @@

Answer: Rs. 14,900

The average monthly income of A and B is Rs.14000, that of B and C is Rs. 15600 and A and C is Rs. 14400. The monthly income of C is

[www.competoid.com]

- (a) 16000 (b) 15000
(c) 14000 (d) 15500 @@

Answer: 16000

The average monthly income of P and Q is Rs. 6000; that of Q and R is Rs. 5,250; and that P and R is Rs. 5,500. What is P's monthly income?

[www.examveda.com]

- (a) Rs. 3500 (b) Rs. 4500
(c) Rs. 6250 (d) Rs. 4800 ©

The average monthly salary of 12 workers and 3 managers in a factory was Rs. 600. When one of the manager whose salary was Rs. 720, was replaced with a new manager, then the average salary of the team went down to 580. What is the salary of the new manager?

[www.examveda.com; www.lofoya.com]

- (a) 640 (b) 690
(c) 420 (d) 570 ©

The average monthly salary of 19 members of a group is Rs. 16000. If one more member whose monthly salary is Rs. 20,000 has joined the group, then the average salary of the group is

[www.competoid.com]

- (a) Rs. 18250 (b) Rs. 16200
(c) Rs. 18000 (d) Rs. 16250 @@

Answer: Rs. 16200

The average monthly salary of 20 employees in an organisation is Rs. 1500. If the manager's salary is added, then the average salary increases by Rs. 100. What is the manager's monthly salary?

[www.sawaal.com]

- (a) 3600 (b) 3700
(c) 3800 (d) 3900 ©

The average monthly salary of 24 employees in an organisation is Rs. 1500. If the manager's salary is added, then the average

salary increases by Rs. 400. What is the manager's monthly salary?

[www.sawaal.com]

- (a) Rs. 8840 (b) Rs. 11,500
(c) Rs. 12,800 (d) Rs. 9450 ©

The average monthly salary of all the employees in a factory is Rs. 8840. If the average salary of all the officers is Rs.15000 and that of the remaining employees is Rs. 8000 then what is the percentage of the officers among the employees?

[www.competoid.com]

- (a) 12% (b) 15%
(c) $8\frac{1}{3}\%$ (d) 16% @@

Answer: 12%

The average monthly salary of all the employees in an industry is Rs. 12,000. The average salary of male employees is Rs. 15,000 and that of female employees is Rs. 8,000. What is the ratio of male employees to female employees?

[www.competoid.com]

- (a) 5 : 2 (b) 3 : 4
(c) 4 : 3 (d) 2 : 5 @@

Answer: 4 : 3

The average monthly salary of employees consisting of officers and workers of an organization is Rs.3000. The average salary of an officer is Rs.10000 while that of a worker is Rs.2000 per month. If there are total 400 employees in the organization, find the number of officers and workers separately.

[www.competoid.com]

- (a) 50, 350 (b) 350, 450
(c) 50, 275 (d) 325, 350 @@

Answer: 50, 350

The average monthly salary of the workers in a workshop is Rs.8,500. If the average monthly salary of 7 technicians is Rs.10,000 and average monthly salary of the rest is Rs. 7,800, the total number of workers in the workshop is:

[www.competoid.com]

- (a) 18 (b) 20
(c) 22 (d) 24 @@

Answer: 22

The average of 10 items was found to be 80 but while calculating, one of the items was

counted as 60 instead of 50. Then the correct average would have been :

[www.examveda.com; www.competoid.com]

- (a) 69 (b) 79.25
(c) 79 (d) 79.5 **(c)**

The average of 10 numbers is 40.2. Later it is found that two numbers have been wrongly added. The first is 18 greater than the actual number and the second number added is 13 instead of 31. Find the correct average.

[www.competoid.com]

- (a) 40.2 (b) 40.4
(c) 40.6 (d) 40.8 @@

Answer: 40.2

The average of 10 numbers is 7. If each number is multiplied by 12, then the average of the new set of numbers will be

[www.competoid.com]

- (a) 7 (b) 19
(c) 82 (d) 84 @@

Answer: 84

The average of 10 numbers is calculated as 15. It is discovered later on that while calculating the average one number, namely 36, was wrongly read as 26. The correct average is :

[www.competoid.com]

- (a) 20 (b) 18
(c) 16 (d) 14 @@

Answer: 16

The average of 100 numbers is 44. The average of these 100 numbers and 4 other new numbers is 50. The average of the four new numbers will be :

[www.competoid.com]

- (a) 800 (b) 200
(c) 176 (d) 24 @@

Answer: 200

The average of 11 numbers is 36. Out of these 11 numbers, the average of 9 numbers is 34. If the ratio of remaining two numbers is 2 : 3, find out the smaller number.

[www.competoid.com]

- (a) 18 (b) 36
(c) 54 (d) 48 @@

Answer: 36

The average of 11 players of a cricket team is decreased by 2 months when two of them aged 17 years and 20 years are replaced by two new players. The average age of the new

players is-

[www.examveda.com]

- (a) 17 years 1 month (b) 17 years 7 months
(c) 17 years 11 months (d) 18 years 3 months **(b)**

The average of 11 results is 50. If the average of the first six results is 49 and that of the last six is 52, the sixth number is -

[www.examveda.com; www.competoid.com]

- (a) 48 (b) 50
(c) 52 (d) 56 **(d)**

The average of 13 results is 60. If the average of first 7 results is 59 and that of last 7 result is 61, what will be the seventh result?

[www.competoid.com]

- (a) 90 (b) 50
(c) 75 (d) 60 @@

Answer: 60

The average of 15 numbers is 7. If the average of the first 8 numbers be 6.5 and the average of the last 8 numbers be 9.5, then the middle number is:

[www.competoid.com]

- (a) 20 (b) 21
(c) 23 (d) 18 @@

Answer: 23

The average of 15 numbers is 7. If the average of the first 8 numbers is 6.5 and the average of the last 8 numbers is 8.5 then middle number is

[www.competoid.com]

- (a) 10 (b) 23
(c) 13 (d) 15 @@

Answer: 15

The average of 20 numbers is 12. The average of the first 12 numbers is 11 and that of the next 7 numbers is 10. The last number is ?

[www.examveda.com; www.competoid.com]

- (a) 40 (b) 38
(c) 48 (d) 50 **(b)**

The average of 20 numbers is 15 and the average of first five numbers is 12. The average of the rest is:

[www.competoid.com]

- (a) 16 (b) 15
(c) 14 (d) 13 @@

Answer: 16

The average of 20 students is 12 years, if the teacher's age is included, average increases

by one. The age of the teacher is:

[www.examveda.com]

- (a) 30 years (b) 33 years
(c) 28 years (d) 35 years

The average of 21 numbers is 12. The average of the first 11 numbers is 9 and the average of the last 11 numbers is 15. What is the value of the middle number?

[www.sawaal.com]

- (a) 10 (b) 11
(c) 12 (d) 13

The average of 24 boys and their teacher is 15 years. When the teacher's age is excluded. The average age decreased by one year. The age of the teacher is

[www.competoid.com]

- (a) 38 years (b) 39 years
(c) 40 years (d) 41 years

Answer: 39 years

The average of 25 observations is 13. It was later found that an observation 73 was wrongly entered as 48. The new average is -

[www.examveda.com; www.competoid.com]

- (a) 12.6 (b) 14
(c) 15 (d) 13.8

The average of 25 results is 18. The average of first 12 of those is 14 and the average of last 12 is 17. What is the 13th result?

[www.examveda.com]

- (a) 74 (b) 75
(c) 69 (d) 78

The average of 26, 29, n, 35 and 43 lies between 25 and 35. If n is always an integer and greater than the average of the given integers then the value of n is :

[www.sawaal.com]

- (a) 33 (b) 34
(c) 33 (d) None of these

The average of 30 numbers is 40 and that of other 40 numbers is 30. The average of all the numbers is :

[www.examveda.com; www.competoid.com]

- (a) $34\frac{2}{7}$ (b) 35
(c) 34 (d) 34.5

The average of 30 results is 20 and the average of other 20 results is 30. What is the average of all the results?

[www.competoid.com]

- (a) 24 (b) 48

(c) 25

(d) 50

@@

Answer: 24

The average of 4 consecutive even numbers is 27. What is the greatest number?

[www.competoid.com]

- (a) 28 (b) 26
(c) 32 (d) 30

@@

Answer: 30

The average of 5 consecutive integers starting with 'm' is n. What is the average of 6 consecutive integers starting with (m + 2)?

[www.examveda.com; www.competoid.com]

- (a) $\frac{(2n+5)}{2}$ (b) $(2n+2)$
(c) $(n+3)$ (d) $\frac{(2n+9)}{2}$

a

The average of 5 consecutive odd positive integers is 9. The least one among them is

[www.competoid.com]

- (a) 5 (b) 3
(c) 1 (d) 7

@@

Answer: 5

The average of 5 members of a family is 24 years. If the youngest member is 8 years old, then what was the average age (in years) of the family at the time of the birth of the youngest member?

[www.sawaal.com]

- (a) 16 (b) 20
(c) 24 (d) 30

b

The average of 5 numbers is 306.4. The average of the first two numbers is 431 and the average of the last two numbers is 214.5. What is the third number?

[www.competoid.com]

- (a) 108 (b) 52
(c) 321 (d) None of these

@@

Answer: None of these

The average of 5 numbers is 65. The average of the first two numbers is 81 and the average of the last two numbers is 38. What is the third number?

[www.competoid.com]

- (a) 63 (b) 87
(c) 99 (d) Cannot be determined

@@

Answer: 87

The average of 5 numbers is 7. When 3 new numbers are added, the average of the eight numbers is 8.5. Average of the three new

numbers is

- (a) 11 (b) 7.75
(c) 8.5 (d) 7

[www.competoid.com]

@@

Answer: 11

The average of 50 consecutive natural numbers is x . What will be the average when the next four natural numbers are also included?

[www.sawaal.com]

- (a) $x + 1$ (b) $x + 2$
(c) $x + 4$ (d) $x + (x/54)$ **(b)**

The average of 50 numbers 38. If two numbers, namely 45 and 55 are discarded, the average of the remaining numbers is

[www.competoid.com]

- (a) 37.5 (b) 37.9
(c) 36.5 (d) 37

@@

Answer: 37.5

The average of 50 numbers is 30. If two numbers, 35 and 40 are discarded, then the average of the remaining numbers is nearly:

[www.examveda.com; www.lofoya.com]

- (a) 28.32 (b) 29.68
(c) 28.78 (d) 29.27 **(b)**

The average of 6 numbers is 8. What is the seventh number so that average becomes 10.

[www.competoid.com]

- (a) 26 (b) 22
(c) 18 (d) 24

@@

Answer: 22

The average of 6 observations is 45.5. If one new observation is added to the previous observations, then the new average becomes 47. The new observation is-

[www.examveda.com; www.competoid.com]

- (a) 46 (b) 50
(c) 56 (d) 58 **(c)**

The average of 7 consecutive numbers is 103. The largest of these numbers is

[www.competoid.com]

- (a) 106 (b) 105
(c) 104 (d) 107

@@

Answer: 106

The average of 7, 11, 15, x , 14, 21, 25 is 15, then the value of x is:

[www.competoid.com]

- (a) 3 (b) 14.5
(c) 12 (d) 13.3

@@

Answer: 12

The average of 8 consecutive natural numbers is 38.5. What is the largest of these 8 numbers?

[www.sawaal.com]

- (a) 41 (b) 39
(c) 42 (d) 45 **(c)**

The average of 8 numbers 15A and the average of four of these is B. If the average of remaining four is C, then

[www.competoid.com]

- (a) $2A = B + C$ (b) $A = B + 2C$
(c) $A = 2B + C$ (d) $A = 2A + 2B$ **(a)**

Answer: $2A = B + C$

The average of 8 numbers is 14. The average of 6 of these numbers is 16. What is the average of the remaining two numbers?

[www.competoid.com]

- (a) 12 (b) 6
(c) 8 (d) 10

@@

Answer: 8

The average of 9 numbers is 30. The average of first 5 numbers is 25 and that of the last 3 numbers is 35. What is the 6th numbers ?

[www.competoid.com]

- (a) 20 (b) 30
(c) 40 (d) 50

@@

Answer: 40

The average of 9 observations was found to be 35. Later on, it was detected that an observation 81 was misread as 18. The correct average of the observation is -

[www.examveda.com; www.competoid.com]

- (a) 28 (b) 42
(c) 32 (d) 45 **(b)**

The average of a collection of 20 measurements was calculated to be 56 cm. But later it was found that a mistake had occurred in one of the measurement which was recorded as 64 cm., but should have been 61 cm. The correct average must be -

[www.examveda.com; www.competoid.com]

- (a) 53 cm (b) 54.5 cm
(c) 55.85 cm (d) 56.15 cm **(c)**

The average of a group of men is increased by 5 years when a person aged of 18 years is replaced by a new person of aged 38 years. How many men are there in the group?

[www.examveda.com]

- (a) 3 (b) 4
(c) 5 (d) 6

- ## The average of a man and his two twin sons born on the same day is 30 yr. The ratio of the ages of father and one son is 5 : 2, what is the father's age?

[www.competoid.com]

- (a) 50 yr (b) 30 yr
(c) 45 yr (d) 20 yr

@@

Answer: 50 yr

- ## The average of a non-zero number and its square is 11 times the number. The number is ?

[www.sawaal.com]

- (a) 22 (b) 21
(c) 11 (d) 17

a

- ## The average of a non-zero number and its square is 5 times the number. The number is-

[www.examveda.com]

- (a) 9 (b) 17
(c) 29 (d) 295

a

- ## The average of a, b and c is 12. If the average, of b and c is 15, the value of a is

[www.competoid.com]

- (a) 4 (b) 10
(c) 8 (d) 6

@@

Answer: 6

- ## The average of a,b,c is 20 and that of b,c,d is 25; if d=30, then the value of a is

[www.competoid.com]

- (a) 25 (b) 45
(c) 30 (d) 15

@@

Answer: 15

- ## The average of all odd numbers upto 100 is

[www.competoid.com]

- (a) 51 (b) 50
(c) 49.5 (d) 49

@@

Answer: 50

- ## The average of all the numbers between 6 and 50 which are divisible by 5 is

[www.competoid.com]

- (a) 27.5 (b) 30
(c) 28.5 (d) 22

@@

Answer: 27.5

- ## The average of all the odd integers between 2 and 22 is ?

[www.examveda.com; www.competoid.com]

- (a) 13 (b) 12
(c) 11 (d) 14

b

- ## The average of any 5 consecutive odd natural numbers is k . If two more such numbers , just next to the previous 5 numbers are added , the new average becomes

[www.sawaal.com]

- (a) $2(k+1)$ (b) $2k-3$
(c) $2k+1$ (d) $k+2$

d

- ## The average of first five multiples of 3 is:

[www.examveda.com; www.lofoya.com]

- (a) 9 (b) 10
(c) 8 (d) 11

a

- ## The average of first five odd natural numbers is

[www.competoid.com]

- (a) 3 (b) 4.5
(c) 5 (d) 6

@@

Answer: 5

- ## The average of first ten prime numbers is :

[www.competoid.com]

- (a) 10.1 (b) 10
(c) 12.9 (d) 13

@@

Answer: 12.9

- ## The average of first three numbers is thrice the fourth number. If the average of all the four numbers is 5, then find the fourth number.

[www.competoid.com]

- (a) 4.5 (b) 5
(c) 2 (d) 4

@@

Answer: 2

- ## The average of five consecutive numbers is x. If the next two numbers are included, how shall the average vary?

[www.examveda.com]

- (a) It shall increase by 1 (b) It shall remain the same
(c) It shall increase by 1.4 (d) It shall increase by 2

a

- ## The average of five consecutive odd numbers is 61. What is the difference between the highest and lowest numbers :

[www.sawaal.com]

- (a) 4 (b) 8
(c) 12 (d) 16

b

- ## The average of five different positive numbers is 25. x is the decrease in the average when the smallest number among them is replaced by 0. What can be said

about x ?

- (a) x is less than 5 (b) x is greater than 5
(c) x is equal to 5 (d) Cannot be determined

[www.examveda.com; www.lofoya.com]

a

The average of five numbers is 27. If one number is excluded, the average becomes 25. The excluded number is ?

[www.sawaal.com; www.competoid.com; www.examveda.com]

- (a) 25 (b) 27
(c) 30 (d) 35

d

The average of five numbers is 56. If the average of first four numbers is 54. what is the value of the fifth number?

[www.competoid.com]

- (a) 68 (b) 72
(c) 56 (d) 64

@@

Answer: 64

The average of five numbers is 7. If three new numbers would be added, then the new average comes out to be 8.5. What is the average of those three new numbers ?

[www.examveda.com; www.competoid.com]

- (a) 9 (b) 10.5
(c) 11 (d) 11.5

c

The average of five observations x_1, x_2, x_3, x_4 and x_5 is 24. The average of first three observations x_1, x_2, x_3 is 10 less than the average of last three observations x_3, x_4 and x_5 . If the average of first two observations x_1 and x_2 is 16.5, what is the value of the third observation $[x_3]$?

[www.competoid.com]

- (a) 24 (b) 25
(c) 29 (d) 14

@@

Answer: 24

The average of four consecutive even numbers is 15. The 2nd highest number is:

[www.competoid.com; www.examveda.com]

- (a) 12 (b) 18
(c) 14 (d) 16

@@

Answer: 16

The average of four consecutive even numbers is 9. Find the largest number.

[www.competoid.com]

- (a) 12 (b) 6
(c) 8 (d) 10

@@

Answer: 12

The average of four consecutive even numbers P, Q, R and 8 respectively (in

increasing order) is 51. What is the product of P and R?

[www.competoid.com]

- (a) 2592 (b) 2400
(c) 2600 (d) None of these

@@

Answer: None of these

The average of four consecutive numbers A, B, C, and D is 49.5. What is the product of B and D?

[www.competoid.com]

- (a) 2499 (b) 2352
(c) 2450 (d) 2550

@@

Answer: 2499

The average of fruits offered in a temple in a week was 75. The average of fruits offered in six days excluding Tuesday was 72. How many fruits were offered on Tuesday?

[www.sawaal.com]

- (a) 90 (b) 93
(c) 72 (d) 92

b

The average of marks in 3 subjects is 224. The first subject marks is twice the second and the second subject marks is twice the third. Find the second subject marks ?

[www.sawaal.com]

- (a) 384 (b) 96
(c) 192 (d) 206

c

The average of marks in Mathematics for 5 students was found to do 50. Later, it was discovered that in the case of one student the marks 48 were misread as 84. The correct average is :

[www.examveda.com; www.competoid.com]

- (a) 40.2 (b) 40.8
(c) 42.8 (d) 48.2

c

The average of marks obtained by 120 candidates in a certain examination is 35. If the average marks obtained by passed candidates are 39 and those of the failed candidates are 15, what is the number of candidates who passed the examination ?

[www.competoid.com]

- (a) 100 (b) 120
(c) 150 (d) 140

@@

Answer: 100

The average of marks of 17 students in an examination was calculated as 71. But it was later found that the mark of one student had been wrongly entered as 65 instead of 56 and another as 24 instead of 50. The correct

average is

[www.sawaal.com]

- (a) 70 (b) 71
(c) 72 (d) 73

C

The average of marks scored by the students of a class is 68. The average of marks of the girls in the class is 80 and that of the boys is 60. What is the percentage of boys in the class?

[www.competoid.com]

- (a) 40 % (b) 60%
(c) 65% (d) 70%

@@

Answer: 60%

The average of n numbers $x_1, x_2, \dots, x_n$ is x .

Then the value of $\sum_{i=1}^n (x_i - \bar{x})$ is equal to

[www.examveda.com; www.competoid.com]

- (a) n (b) 0
(c) $n = Xn = x$ (d) $= X = x$

@@

Answer: 0

The average of nine consecutive numbers is 11. If the next two numbers are also included the new average will be

[www.competoid.com]

- (a) increase by 2 (b) remain the same
(c) increase by 1.5 (d) increase by 1

@@

Answer: increase by 1

The average of nine consecutive odd numbers is 53. The least odd number is :

[www.competoid.com]

- (a) 22 (b) 27
(c) 35 (d) 45

@@

Answer: 45

The average of nine number is 50. The average of first five numbers is 54 and that of the last three numbers is 52. Then the sixth number is :

[www.examveda.com; www.competoid.com]

- (a) 30 (b) 34
(c) 24 (d) 44

C

The average of runs scored by a cricketer in his 99 innings is 99. How many runs will he have to score to his 100th innings so that his average of runs in 100 innings will become 100 ?

[www.examveda.com; www.sawaal.com; www.competoid.com]

- (a) 100 (b) 99
(c) 199 (d) 101

C

The average of seven numbers is 18. If one of the number is 17 and if it is replaced by 31,

the average becomes :

[www.competoid.com; www.examveda.com]

- (a) 21.5 (b) 19.5
(c) 20 (d) 21

@@

Answer: 20

The average of six numbers is 20 . If one number is removed, the average becomes 15. What is the number removed ?

[www.competoid.com; www.examveda.com]

- (a) 5 (b) 35
(c) 112 (d) 45

@@

Answer: 45

The average of six numbers is 3.95. The average of two of them is 3.4, while the average of the other two is 3.85. The average of the remaining two numbers is :

[www.examveda.com; www.sawaal.com; www.competoid.com]

- (a) 4.6 (b) 4.8
(c) 4.5 (d) 4.7

a

The average of six numbers is 32. If each of first three numbers is increased by 2 and each of the remaining three numbers is decreased by 4, then the new average is ?

[www.examveda.com; www.competoid.com]

- (a) 35 (b) 34
(c) 31 (d) 30

C

The average of six observations is 12. The average decreases by 1 when a new observation is included. What is the seventh observation?

[www.competoid.com]

- (a) 1 (b) 3
(c) 5 (d) 6

@@

Answer: 5

The average of some natural numbers is 15. If 30 is added to the first number and 5 is subtracted from the last number the average becomes 17.5 then the number of natural numbers is -

[www.examveda.com; www.competoid.com]

- (a) 20 (b) 30
(c) 15 (d) 10

d

The average of the 9 consecutive positive integers is 63, The product of the largest and smallest integer is

[www.competoid.com]

- (a) 3935 (b) 3953
(c) 3853 (d) 3835

@@

Answer: 3953

The average of the first 3 Whole numbers in a given series is 24 and the average of the remaining whole numbers is 18. what will be the average of all the numbers of this series ?
[www.competoid.com]

- (a) Less than 18 (b) Between 18 and 24
(c) More than 24 (d) Cannot be determined

Answer: Between 18 and 24 @@

The average of the first five multiples of 9 is:
[www.examveda.com]

- (a) 20 (b) 27
(c) 28 (d) 30

The average of the first nine integral multiples of 3 is
[www.competoid.com]

- (a) 21 (b) 12
(c) 15 (d) 18 @@

Answer: 15

The average of the largest and smallest 3 digit numbers formed by 0,2 and 4 would be
[www.competoid.com; www.examveda.com]

- (a) 312 (b) 222
(c) 213 (d) 303 @@

Answer: 312

The average of the marks obtained in an examination by 8 students was 51 and by 9 other students was 68. The average marks of all 17 students was:
[www.competoid.com]

- (a) 59 (b) 59.5
(c) 60 (d) 60.5 @@

Answer: 60

The average of the squares of first ten natural numbers is-
[www.examveda.com; www.competoid.com]

- (a) 35.5 (b) 36
(c) 37.5 (d) 38.5

The average of the three numbers x, y and z is 45. x is greater than the average of y and z by 9. The average of y and z is greater than y by 2. Then the difference of x and z is :
[www.examveda.com; www.competoid.com]

- (a) 3 (b) 5
(c) 7 (d) 8

The average of three consecutive odd number is 12 more than one third of the first of these numbers. What is the last of the three numbers ?
[www.competoid.com]

- (a) 15 (b) 17
(c) 19 (d) Data inadequate @@

Answer: 19

The average of three numbers is 135. The largest number is 180 and the difference between the others is 25. The smallest number is
[www.competoid.com]

- (a) 130 (b) 125
(c) 120 (d) 100 @@

Answer: 100

The average of three numbers is 135. The largest number is 195 and the difference between the other two is 20. The smallest number is
[www.competoid.com]

- (a) 65 (b) 95
(c) 105 (d) 115 @@

Answer: 95

The average of three numbers is 40. The first number is twice the second and the second one is thrice the third number. The difference between the largest and the smallest numbers is
[www.competoid.com]

- (a) 30 (b) 36
(c) 46 (d) 60 @@

Answer: 60

The average of x number is y and average of y numbers is x. Then the average of all the numbers taken together is
[www.competoid.com]

- (a) $\frac{x+y}{2xy}$ (b) $\frac{2xy}{x+y}$
(c) $\frac{x^2+y^2}{x+y}$ (d) $\frac{xy}{x+y}$ @@

Answer: $2xyx+y2xyx+y$

The average of x numbers is y^2 and the average of y numbers is x^2 . So the average of all the numbers taken together is :
[www.competoid.com; www.examveda.com]

- (a) $\frac{x^3+y^3}{x}$ (b) xy
(c) $\frac{x^2+y^2}{x}$ (d) xy^2+yx^2 @@

Answer: xy

The average of X, Y, Z is 24. Also, X:Y = 2:3 and X+Y = 60, then find the value of (X-Z)?
[www.sawaal.com]

- (a) 9 (b) 10

- (c) 11 (d) 12 (d)
 ## The average pocket money of 3 friend A, B, C is Rs. 80 in a particular month. If B spends double and C spends triple of what A spends during that month and if the average of their unspent pocket money is Rs. 60, then A spends (in Rs.)-

[www.examveda.com; www.competoid.com]

- (a) Rs. 10 (b) Rs. 20
 (c) Rs. 30 (d) Rs. 40 (a)

- ## The average rainfall for a week excluding Saturday was 0.5 cm. But there was a heavy rain on Saturday and the average rainfall for the week raised by 1.5 cm. Then the rainfall on Saturday is:

[www.competoid.com]

- (a) 6 cm (b) 7.5 cm
 (c) 11 cm (d) 6.5 cm @@

Answer: 11 cm

- ## The average run of a player is 32 out of 10 innings. How many runs must he made in the next inning so as to increase his average by 6 ?

[www.competoid.com]

- (a) 98 (b) 6
 (c) 40 (d) 38 @@

Answer: 98

- ## The average run scored by cricketer in 42 innings is 30. The difference between his maximum and minimum scores in an innings is 100. If these two innings are not taken into consideration, then the average score of the remaining 40 innings is 28. Calculate the maximum runs scored by him in an innings?

[www.competoid.com]

- (a) 125 (b) 120
 (c) 110 (d) 100 @@

Answer: 120

- ## The average runs conceded by a bowler in 5 matches is 45 and 15.75 in other 4 matches. What is the average runs conceded by the bowler in 9 matches?

[www.sawaal.com]

- (a) 15 (b) 32
 (c) 35 (d) 53.5 (b)

- ## The average salary of 20 workers in an office is Rs.1900 per month. If the manager's salary is added, the average becomes Rs.2000 per month The manager's salary is

[www.competoid.com]

- (a) Rs.24000 (b) Rs.25200
 (c) Rs.45000 (d) None of these @@

Answer: None of these

- ## The average salary of all staff of a school is Rs. 10,000. The average salary of 20 teaching staff is Rs. 12,000 and that of non teaching staff is Rs. 5000, the number of non teaching staff will be

[www.competoid.com]

- (a) 7 (b) 8
 (c) 10 (d) 12 @@

Answer: 8

- ## The average salary of all the associates in a team is 16000. The average salary of 7 senior associates is 24000 and the average salary of the rest is 12000. How many associates work in that team ?

[www.competoid.com]

- (a) 21 (b) 22
 (c) 23 (d) 24 @@

Answer: 21

- ## The average salary of all workers in a workshop is Rs.12000. The average salary of 7 technicians is Rs.15000 and the average salary of the rest is Rs.9000. The total number of workers in the workshop is

[www.sawaal.com]

- (a) 12 (b) 13
 (c) 14 (d) 15 (c)

- ## The average salary of the entire staff in an office is Rs.500 per day. The average salary of officers is Rs.750 and that of non-officers is Rs.250. If the number of officers is 15, then find the number of non-officers in the office.

[www.competoid.com]

- (a) 25 (b) 10
 (c) 15 (d) 20 @@

Answer: 15

- ## The average salary per head of all workers of an institution is Rs.60. The average salary per head of 12 officers is Rs.400. The average salary per head of the rest is Rs.56. Then, the total number of workers in the institution is

[www.competoid.com; www.examveda.com]

- (a) 1030 (b) 1032
 (c) 1062 (d) 1060 @@

Answer: 1032

The average salary per head of the entire staff of an office including the officers and clerks is Rs.90. The average salary per head of the officers is Rs.600 and that of clerks is Rs.84. If the number of officers is 12, find the number of clerks in the office.

[www.competoid.com]

- (a) 1032 (b) 1020
(c) 1000 (d) 1010

@@

Answer: 1020

The average salary per month of 30 employees in G.K. Publishers (P) Ltd. is Rs.4000. If manager's salary is added, the average salary increases to Rs.4300, what is the salary of the manager?

[www.competoid.com]

- (a) Rs.13500 (b) Rs.12500
(c) Rs.12300 (d) Rs.13300

@@

Answer: Rs.13300

The average score of a batsman for a number of innings was 57.5. In the next four innings he score 25, 65, 35 and 10 runs and his average for all innings fell by 5 run. How many innings all he played?

[www.competoid.com]

- (a) 19 (b) 15
(c) 11 (d) None of these.

@@

Answer: 19

The average score of a cricketer for ten matches is 38.9 runs. If the average for the first six matches is 42, then find the average for the last four matches.

[www.examveda.com; www.lofoya.com]

- (a) 33.25 (b) 33.5
(c) 34.25 (d) 35

C

The average score of boys in an examination in a school is 71 and that of the girls is 73. The average score of the school is 71.8. The ratio of the number of boys to that of the girls that appeared in the examination is

[www.competoid.com; www.sawaal.com]

- (a) 1 : 2 (b) 3 : 2
(c) 2 : 3 (d) 4 : 2

@@

Answer: 3 : 2

The average seven consecutive positive integers is 26. The smallest of these integers is:

[www.competoid.com]

- (a) 21 (b) 23
(c) 25 (d) 26

@@

Answer: 26

The average speed of a car is $\frac{5}{7}$ th of that of a bus. The bus covers 750 km. in 10 hours. How much distance (in km) will the car cover in 7 hours?

[www.competoid.com]

- (a) 375 (b) 285
(c) 365 (d) 295

@@

Answer: 375

The average temperature for Monday, Tuesday, Wednesday and Thursday was 48 degrees and for Tuesday, Wednesday, Thursday and Friday was 46 degrees. If the temperature on Monday was 42 degrees. Find the temperature on Friday ?

[www.sawaal.com]

- (a) 34 (b) 36
(c) 38 (d) 40

a

The average temperature for Monday, Tuesday, Wednesday and Thursday was 48°. The average temperature for Tuesday, Wednesday, Thursday and Friday was 52°. If the temperature on Monday was 42°, then the temperature on Friday was (in degrees)

[www.sawaal.com]

- (a) 58 (b) 56
(c) 52 (d) 50

a

The average temperature for Wednesday, Thursday and Friday was 40°C. The average for Thursday, Friday and Saturday was 41°C. If temperature on Saturday was 42°C, what was the temperature on Wednesday?

[www.examveda.com]

- (a) 39° C (b) 44° C
(c) 38° C (d) 41° C

a

The average temperature of a place on Monday, Tuesday, Wednesday and Thursday was found to be 60°C and average temperature of Tuesday to Friday was 63°C. Now the ratio of temperature of Monday and Friday is 21 : 25. Find the temperature on these days.

[www.competoid.com]

- (a) 63°C – 75°C (b) 75°C – 63°C
(c) 62°C – 74°C (d) 62°C – 76°C

@@

Answer: 63°C – 75°C

The average temperature of Delhi for four days in a particular month is 48°C. If the

average temperature of second and third days is 34°C and the ratio of the temperatures of first and fourth days is 9 : 11, then find out the temperatures of first and fourth days.

[www.competoid.com]

- (a) 45.5, 45.5, 49.9, 49.9
 (b) 32.4, 32.4, 39.8, 39.8
 (c) 43.4, 43.4, 68.2, 68.2 (d) None of the above..

@@

Answer: None of the above..

The average temperature of first 3 day is 26°C and the next 3 days is 29°C . If the average temperature of the whole week is 28°C , then the temperature of the last day is

[www.competoid.com]

- (a) 27°C (b) 32°C
 (c) 26°C (d) 31°C

@@

Answer: 31°C

The average temperature of Monday, Tuesday, Wednesday and Thursday is 60° , the average for Tuesday, Wednesday, Thursday and Friday is 63° ; if the ratio of temperature for Monday and Friday is 21 : 25, then what is the temperature of Friday?

[www.competoid.com]

- (a) 70° (b) 73°
 (c) 75° (d) 78°

@@

Answer: 75°

The average temperature of the first four days of a week is 40.2°C and that of the last four days is 41.3°C . If the average temperature for the whole week is 40.6°C , then the temperature on the fourth day is

[www.competoid.com]

- (a) 40.8°C (b) 38.5°C
 (c) 41.3°C (d) 41.8°C

@@

Answer: 41.8°C

The average temperature on Tuesday, Wednesday, and Thursday was 41 degrees, and on Wednesday, Thursday and Friday was 40 degrees. If on Friday it was exactly 39 degrees, then what was the temperature on Tuesday?

[www.competoid.com; www.examveda.com]

- (a) 42 degrees (b) 46 degrees
 (c) 23 degrees (d) 26 degrees

(a)

The average temperature on Wednesday, Thursday and Friday was 20° . The average temperature on Thursday, Friday and Saturday was 24° . If the temperature on Saturday was 27° , what was the temperature on Wednesday?

[www.examveda.com; www.lofoya.com]

- (a) 24° (b) 21°
 (c) 27° (d) 30°

(d)

The average value of property of Mittal, Ambani and Singhanian is Rs.1111 crore. The property of Singhanian is as less than the property of Mittal is greater than the average property of both the Singhanian and Mittal. The value of property of Ambani is :

[www.sawaal.com]

- (a) Rs.111 crore (b) Rs. 1111 crore
 (c) Rs. 11111 crore (d) can't be determined

(c)

The average wages of a worker during a fortnight comprising 15 consecutive working days was Rs.90 per day. During the first 7 days, his average wages was Rs.87/day and the average wages during the last 7 days was Rs.92 /day. What was his wage on the 8th day?

[www.examveda.com; www.lofoya.com]

- (a) 83 (b) 92
 (c) 90 (d) 97

(d)

The average weight of 10 parcels is 1.7 kg. Addition of a new parcel reduces the average weight by 60 gram. What is the weight (in kg) of the new parcel ?

[www.competoid.com]

- (a) 1.04 (b) 1.08
 (c) 1.4 (d) 1.8

@@

Answer: 1.04

The average weight of 10 women is increased by 1 kg if 2 women of 42kg and 38 kg are replaced by 2 men. Find the average weight of both the men.

[www.competoid.com]

- (a) 46 kg (b) 45 kg
 (c) 42 kg (d) 44 kg

@@

Answer: 45 kg

The average weight of 100 students is 32 kg. The average weight of first 49 students is 30 kg and of last 50 students is 34 kg. What is the weight (in kg) of the 50th student?

[www.sawaal.com]

- (a) 25 (b) 30

- © 32 ④ 33 ⑥
The average weight of 12 crew men in a boat is increased by $\frac{1}{3}$ kg, when one of the crewmen whose weight is 55 kg is replaced by a new man. What is the weight of that new man ?

[www.examveda.com; www.competoid.com]

- (a) 58 kg (b) 60 kg
 (c) 57 kg (d) 59 kg @@

Answer: 59 kg

- ##** The average weight of 12 parcels is 1.8 kg. Addition of another new parcel reduces the average weight by 50 gm. What is the weight of the new parcel ?

[www.examveda.com; www.competoid.com]

- (a) 1.50 kg (b) 1.10 kg
 (c) 1.15 kg (d) 1.01 kg ③

- ##** The average weight of 12 persons is increased by 5 kg. When one of them whose weight is 46 kg is replaced by a new man. The weight of the new man is

[www.competoid.com]

- (a) 106 kg (b) 51 kg
 (c) 71 kg (d) 54 kg @@

Answer: 106 kg

- ##** The average weight of 15 students in a class increases by 1.5 kg when one of the students weighing 40 kg is replaced by a new student. What is the weight (in kg) of the new student ?

[www.examveda.com; www.competoid.com]

- (a) 64.5 kg (b) 56 kg
 (c) 60 kg (d) 62.5 kg ④

- ##** The average weight of 16 boys in a class is 50.25 kg and that of the remaining 8 boys is 45.15 kg. Find the average weights of all the boys in the class.

[www.examveda.com; www.indiabix.com]

- (a) 47.55 kg. (b) 48 kg.
 (c) 48.55 kg. (d) 49.25 kg. ③

- ##** The average weight of 20 students in a class is increased by 0.75 kg when one student of 35 kg replaced by a new student. Weight of the new student (in kg) is :

[www.examveda.com; www.competoid.com]

- (a) 35 (b) 40
 (c) 45 (d) 50 ④

- ##** The average weight of 40 children of a class is 36.2 kg. When three more children with

weight 42.3 kg, 39.7 kg and 39.5 kg join the class, the average weight of the 43 children in the class is:

[www.competoid.com]

- (a) 39.2 kg (b) 36.5 kg
 (c) 38.35 kg (d) 37.3 kg @@

Answer: 36.5 kg

- ##** The average weight of 45 students in a class was calculated as 36 kg. It was later found that the weight of two students in the class was wrongly calculated. The actual weight of one of the boys in the class was 32 kg, but it was calculated as 34 kg, and the weight of another boy in the class was 45 kg; whereas it was calculated as 40 kg. What is the actual average weight of the 45 students in the class? (Rounded off to two-digits after decimal)

[www.competoid.com]

- (a) 36.07 kg. (b) 36.16 kg.
 (c) 35.84 kg. (d) Cannot be determined

@@

Answer: 36.07 kg.

- ##** The average weight of 45 passengers in a bus is 52 kg. 5 of them whose average weight is 48 kg leave the bus and other 5 passengers whose average weight is 54 kg join the bus at the same stop. What is the new average weight of the bus?

[www.sawaal.com]

- (a) 54.21 kgs (b) 51.07 kgs
 (c) 52.66 kgs (d) 53.45 kgs ③

- ##** The average weight of 47 balls is 4 g, if the weight of the bag (in which the balls are kept) be included; the calculated average weight per ball increases by 0.3 g. What is the weight of the bag?

[www.examveda.com]

- (a) 14.8 g (b) 14.4 g
 (c) 15 g (d) 18.6 g
 (e) None of these ⑤

- ##** The average weight of 50 boys in a class is 45 Kg. When one boy leaves the class, the average reduces by 100g. Find the weight of the boy who left the class.

[www.sawaal.com]

- (a) 50 Kg (b) 50.8 Kg
 (c) 49 Kg (d) 49.9 Kg ④

- ##** The average weight of 60 students in a class was calculated to be 40 kg. Later, it was

found out that the weight of one of the students was calculated as 36 kg. Whereas his actual weight was 33 kg. What is the actual average weight of the students in the class?

[www.competoid.com]

- (a) 39.90 kg (b) 39.95 kg
(c) 39 kg (d) 38 kg @@

Answer: 39.95 kg

The average weight of 8 persons increases by 2.5 kg when a new person comes in place of one of them weighing 65 kg. What might be the weight of the new person?

[www.examveda.com; www.indiabix.com; www.sawaal.com]

- (a) 70 kg (b) 75 kg
(c) 80 kg (d) 85 kg d

The average weight of a class of 15 boys and 10 girls is 38.4 kg. If the average weight of the boys is 40 kg, then what is the average weight of the girls?

[www.competoid.com]

- (a) 36.5 kg (b) 35 kg
(c) 36 kg (d) 35.6 kg @@

Answer: 36 kg

The average weight of a class of 40 students is 40 kg. the weight of the teacher is included, the average weight increases to 41 kg. Find the weight of the teacher.

[www.competoid.com]

- (a) 78 Kgs. (b) 79 Kgs.
(c) 80 Kgs. (d) 81 Kgs. @@

Answer: 81 Kgs.

The average weight of a class of 40 students is 50 kg. If the teacher is also included, the average weight Increases to 50.5 kg. The weight of the teacher is.

[www.competoid.com]

- (a) 70.5 kg. (b) 71.5 kg.
(c) 72.5 kg. (d) 75 kg. @@

Answer: 70.5 kg.

The average weight of a group of 20 boys was calculated to be 89.4 kg and it was later discovered that one weight was misread as 78 kg instead of 87 kg. The correct average weight is -

[www.competoid.com; www.examveda.com]

- (a) 88.95kg (b) 89.25 kg
(c) 89.55 kg (d) 89.85 kg d

The average weight of a group of 75 girls was calculated as 47 kgs. It was later

discovered that the weight of one of the girls was read as 45 kgs. Whereas her actual weight was 25 kgs. What is the actual average weight of the group of 75 girls? (Rounded off to two digits after decimal).

[www.examveda.com]

- (a) 34 (b) 36
(c) 30 (d) None of these d

The average weight of a group of boys is 30 kg. After a boy of weight 35 kg joins the group, the average weight of the group goes up by 1 kg. Find the number of boys in the group originally ?

[www.sawaal.com]

- (a) 6 (b) 8
(c) 4 (d) 5 c

The average weight of A, B and C is 45 kg. If the average weight of A and B be 40 kg and that of B and C be 43 kg, then the weight of B is:

[www.examveda.com; www.indiabix.com]

- (a) 17 kg. (b) 20 kg.
(c) 26 kg. (d) 31 kg. d

The average weight of A, B, C is 56 kg. If the Average weight of A and B is 45 kg. and the average weight of B and C is 47 kg, then the weight of B is

[www.competoid.com]

- (a) 36 kg (b) 16 kg
(c) 28 kg (d) 42 kg @@

Answer: 16 kg

The average weight of first 11 persons among 12 persons is 95 kg. The weight of 12th person is 33 kg more than the average weight of all the 12 persons. The weight of the 12th person is :

[www.examveda.com; www.competoid.com]

- (a) 128.75 (b) 131
(c) 128 (d) 97.45 b

The average weight of five persons sitting in a boat is 38 kg. The average weight of the boat and the persons sitting in the boat is 52 kg. What is the weight of the boat ?

[www.examveda.com; www.competoid.com]

- (a) 228 kg (b) 122 kg
(c) 232 kg (d) 242 kg b

The average weight of M, N and O is equal to 65 kg. The average weight of M and N is equal to 69.5 kg. The average weight of N

and O is 66.5 kg. What is the weight of N?

[www.competoid.com]

- (a) 74 kg, (b) 75 kg
(c) 77 kg (d) 80 kg @@

Answer: 77 kg

The average weight of P, Q and R is 47 kg. If the average weight of P and Q be 32.5 kg and that of Q and R be 48.5 kg, then what is the weight of Q (in kgs)?

[www.sawaal.com]

- (a) 25 (b) 29
(c) 21 (d) 33 **C**

The average weight of the students in four sections A, B, C and D is 60kg. The average weight of the students in A, B, C and D individually are 45 Kg, 50 Kg, 72 Kg and 80 Kg respectively. If the average weight of the students of section A and B together is 48 Kg and that of B and C together is 60 Kg, what is the ratio of the number of students in sections A and D?

[www.competoid.com]

- (a) 12 : 7 (b) 4 : 3
(c) 3 : 2 (d) 8 : 5 @@

Answer: 4 : 3

The average weight of two players P and Q of a football team is 38 kg. The average weight of P, Q and their coach T is 49 kg. What is the weight (in kg) of coach?

[www.sawaal.com]

- (a) 71 (b) 46
(c) 76 (d) 91 **A**

The average weight. of a class of 35 students is 47.5 kgs. If the weight of the teacher be included, the average raises by 500 gms. What is the weight of the teacher?

[www.competoid.com]

- (a) 65 kgs. (b) 62.5 kgs.
(c) 64.5 kgs. (d) 65.5 kgs. @@

Answer: 65.5 kgs.

The average. of three number is 28, the first number Is half of the second number and the third number is twice the second, then the third number is

[www.competoid.com]

- (a) 48 (b) 36
(c) 24 (d) 18 @@

Answer: 48

The daily minimum temperature of a place in a certain week, beginning from Monday

was 20°, 18.6°, 17°, 21.4°, 19° and 19.8°. It was known that the average of the whole week was 19.5°. The minimum temperature on Sunday was

[www.competoid.com]

- (a) 16.9° (b) 11.6°
(c) 20.7° (d) 12.8° @@

Answer: 20.7°

The difference between the present age of Arun and Deepak is 14 years. Seven years ago the ratio of their ages was 5:7 respectively. What is Deepak's present age?

[www.competoid.com]

- (a) 49 years (b) 42 years
(c) 63 years (d) None of these @@

Answer: None of these

The difference between two angles of a triangle is 24°. The average of the same two angles is 54°. Which one of the following is the value of the greatest angle of the triangle?

[www.examveda.com; www.lofoya.com]

- (a) 45° (b) 60°
(c) 66° (d) 72° **D**

The distance between two stations A and B is X mts. A train while going from A to B, its average speed is 80 kmph and while coming back from B to A, its average speed is 120 kmph. Find the average speed during the whole journey.

[www.competoid.com]

- (a) 96 kmph (b) 98 kmph
(c) 95 kmph (d) 97 kmph @@

Answer: 96 kmph

The frequency distribution data is given below. If the average age is 17 years, the value of m is

Age (in years):	8	20	26	29
No. of people :	3	2	m	1

[www.competoid.com]

- (a) 1 (b) 2
(c) 3 (d) 4 @@

Answer: 1

The marks obtained by 11 students in Computer Science are as follows: 94, 94, 91, 89, 87, 92, 97, 88, 90, 98, 92. How many of the above values are below the average.

[www.competoid.com]

- (a) 5 (b) 4
(c) 3 (d) 2 @@

Answer: 5

- ## The mean deviation of the data 3, 10, 10, 4, 7, 10, 5 is :

[www.sawaal.com]

- (a) $\frac{49}{7}$ (b) $\frac{19}{7}$
(c) $\frac{50}{7}$ (d) $\frac{18}{7}$ **d**

- ## The mean height of 25 boys in a class is 150 cm, and the mean height of 35 girls in the same class is 145 cm. The combined mean height of 60 students in the class is ____ (app)

[www.sawaal.com]

- (a) 146 (b) 143
(c) 147 (d) 145 **c**

- ## The mean marks obtained by seven students in a group is 226. If the marks obtained by six of them are 340, 180, 260, 56, 275 and 307 respectively, find the marks obtained by the seventh student.

[www.competoid.com]

- (a) 164 (b) 226
(c) 340 (d) Cannot be determined
@@

Answer: 164

- ## The mean of 100 items was 46. Later on it was discovered that an item 16 was misread as 61 and another item 43 was misread as 34. It was also found that the number of item was 90 and not 100. Then what is the correct mean ?

[www.examveda.com; www.competoid.com]

- (a) 50 (b) 50.7
(c) 52 (d) 52.7 **b**

- ## The mean of 100 observations is 40. It is found that an observation 84 was misread as 48. Then the correct mean is ?

[www.sawaal.com]

- (a) 40.36 (b) 41.24
(c) 41.92 (d) 42.05 **a**

- ## The mean of 100 observations was calculated as 40. It was found later on that one of the observation was misread as 83 instead of 53. The correct mean is :

[www.examveda.com; www.competoid.com]

- (a) 39 (b) 39.7
(c) 40.3 (d) 42.7 **b**

- ## The mean of 100 observations was calculated as 35. It was found later on that one of the observations was misread as 73 instead of 37.

The correct mean is

[www.competoid.com]

- (a) 33.64 (b) 34.64
(c) 32.64 (d) 64.34
@@

Answer: 34.64

- ## The mean of 11 numbers is 35. If the mean of first 6 numbers is 32 and that of the last six numbers is 37, find the sixth number.

[www.competoid.com]

- (a) 28 (b) 29
(c) 30 (d) 27
@@

Answer: 29

- ## The mean of 15 different natural numbers is 13. The maximum value of the second largest of these numbers is

[www.competoid.com]

- (a) 53 (b) 52
(c) 51 (d) 50
@@

Answer: 51

- ## The mean of 20 items is 55. If two items 45 and 30 are removed, the new mean of the remaining items is :

[www.examveda.com; www.competoid.com]

- (a) 65.1 (b) 65.3
(c) 56.9 (d) 56 **c**

- ## The mean of 21 observations (all different) is 40. If each observation greater than the median is increased by 21, then the mean of observations will become:

[www.sawaal.com]

- (a) 50 (b) 30
(c) 50.5 (d) 45 **a**

- ## The mean of 50 numbers is 30. Later it was discovered that two entries were wrongly entered as 82 and 13 instead of 28 and 31. Find the correct mean.

[www.examveda.com; www.competoid.com]

- (a) 36.12 (b) 30.66
(c) 29.28 (d) 38.21 **c**

- ## The mean of 50 observations was 36. It was found later that an observation 48 was wrongly taken as 23. The corrected new mean is :

[www.sawaal.com; www.competoid.com]

- (a) 35 (b) 36.5
(c) 40 (d) 42 **b**

- ## The mean of 9 observation is 16. One more observation is included and the new mean becomes 17. The 10th observation is :

[www.examveda.com; www.competoid.com]

- (a) 9 (b) 16
(c) 26 (d) 30 **(c)**
- ## The mean of n observations is x_1 . If the first observation is increased by 1, second by 2 and so on, then their mean is x_2 . The value of $x_2 - x_1$ is

[www.competoid.com]

- (a) n (b) $\frac{n}{2} + 1$
(c) $\frac{n(n+1)}{2}$ (d) $\frac{(n+1)}{2}$ @@

Answer: $(n+1)2(n+1)2$

- ## The mean of 12,22,32,42,52,62.....502 is

[www.competoid.com]

- (a) 850.5 (b) 858.5
(c) 854.5 (d) 852.5 @@

Answer: 858.5

- ## The mean value of 20 observations was found to be 75, but later on it was detected that 97 was misread as 79. Find the correct means.

[www.competoid.com]

- (a) 75.7 (b) 75.8
(c) 75.9 (d) 75.6 @@

Answer: 75.9

- ## The mean weight of 100 students in a class is 46 kg. The mean weight of boys is 50 and of girls is 40 kg. Therefore, the number of boys is:

[www.examveda.com]

- (a) 50 (b) 60
(c) 70 (d) 65 **(b)**

- ## The mean weight of 150 students in a certain class is 60 Kg. The mean weight of the boys from the class is 70 kg, while that of girls is 55 kg. What is the number of girls in the class?

[www.competoid.com]

- (a) 105 (b) 100
(c) 95 (d) 60 @@

Answer: 100

- ## The mean weight of 150 students in a class is 60 kg. The mean weight of boys is 70 kg and that of girls is 55 kg. What is the number of boys in the class?

[www.competoid.com]

- (a) 50 (b) 60
(c) 75 (d) 100 @@

Answer: 50

- ## The mean weight of 34 students of a school is 42 kg. If the weight of the teacher be included, the mean rises by 400 grams. Find the weight of the teacher (in kg.)

[www.examveda.com]

- (a) 55 kg (b) 57 kg
(c) 66 kg (d) 56 kg **(d)**

- ## The mean weight of 34 students of a school is 42 kg. If the weight of the teacher be included, the mean rises by 400 g. Find the weight (in kg) of the teacher.

[www.competoid.com]

- (a) 66 (b) 56
(c) 55 (d) 57 @@

Answer: 56

- ## The mean weight of 34 students of a school is 42 kg. If the weight of the teacher be included, the mean rises by 400 grams. Find the weight of the teacher (in kg.)

[www.competoid.com]

- (a) 55 kg (b) 57 kg
(c) 66 kg (d) 56 kg @@

Answer: 56 kg

- ## The median of the numbers 14, 12, 12, 16, 13 and 18 is

[www.sawaal.com]

- (a) 13 (b) 14
(c) 14.5 (d) 13.5 **(d)**

- ## The mode of the data 12, 1, 10, 1, 9, 3, 4, 9, 7, 9 is

[www.sawaal.com]

- (a) 9 (b) 12
(c) 1 (d) 7 **(a)**

- ## The number of heat wave days in the Indian sub continent in 1995 was 29 and deaths due to heat wave were 406. What was the average of deaths per heat wave day in 1995?

[www.competoid.com]

- (a) 12 (b) 13
(c) 14 (d) 15 @@

Answer: 14

- ## The present age of a father is 3 years more than three times the age of his son. Three years hence, father's age will be 10 years more than twice the age of the son. The father's age is :

[www.examveda.com; www.competoid.com]

- (a) 33 years (b) 39 years
(c) 45 years (d) 40 years **(a)**

- ## The present age of Romila is one fourth of that of her father. After 6 years the father's age will be twice the age of Kapil. If Kapil celebrated fifth birth day 8 years ago. What is Romila's present age?

[www.competoid.com]

- (a) 7 years (b) 7.5 years
(c) 8 years (d) 8.5 years @@

Answer: 7.5 years

- ## The present average age of a family of four members is 36 years. If the present age of the youngest member of the family be 12 years, the average age of the family at the time of birth of the youngest member was :

[www.competoid.com]

- (a) 48 years (b) 40 years
(c) 32 years (d) 24 years @@

Answer: 32 years

- ## The ratio of number of boys and girls in a class is 2 : 3. The average weight of boys and girls in the class is 18 kg and 21 kg respectively. What is the average weight (in kgs) of all the boys and girls together?

[www.sawaal.com]

- (a) $\frac{99}{5}$ (b) $\frac{101}{5}$
(c) $\frac{109}{6}$ (d) $\frac{96}{5}$ a

- ## The ratio of speeds of a car, a train and a bus is 5:9:4. The average speed of the car, the bus and the train is 72 km/hr together. What is the average speed of the car and the train together ?

[www.sawaal.com]

- (a) 84 km/hr (b) 96 km/hr
(c) 72 km/hr (d) 60 km/hr a

- ## The simple interest on a sum for 20 years is $\frac{5}{4}$ of the principal. What is the per annum rate (in percentage) of interest?

[www.sawaal.com]

- (a) 6.25 (b) 12.5
(c) 2.5 (d) 5 a

- ## The speed of the train going from Nagpur to Allahabad is 100 km/h while when coming back from Allahabad to Nagpur, its speed is 150 km/h. find the average speed during whole journey.

[www.examveda.com]

- (a) 125 km/hr (b) 75 km/hr

- (c) 135 km/hr (d) 120 km/hr d

- ## The sum of 8 consecutive odd numbers is 656. Also average of four consecutive even numbers is 87. What is the sum of the smallest odd number and second largest even number?

[www.competoid.com]

- (a) 165 (b) 175
(c) 163 (d) Cannot be determined @@

Answer: 163

- ## The sum of a non-zero number and ten times its reciprocal is 7. Find the number.

[www.sawaal.com]

- (a) 4 (b) 3
(c) 5 (d) 6 c

- ## The sum of eight consecutive even numbers of set-A is 376. What is the sum of different set of five consecutive numbers whose lowest number is 15 more than the mean of set-A?

[www.competoid.com]

- (a) 296 (b) 320
(c) 324 (d) 284 @@

Answer: 320

- ## The sum of five numbers is 290. The average of the first two numbers is 48.5 and the average of last two numbers is 53.5. What is the third number?

[www.competoid.com]

- (a) 72 (b) 84
(c) 96 (d) None of these @@

Answer: None of these

- ## The sum of five numbers is 555. The average of first two numbers is 75 and the third number is 115. What is the average of last two-numbers?

[www.competoid.com]

- (a) 145 (b) 150
(c) 265 (d) 290 @@

Answer: 145

- ## The sum of seven consecutive even numbers of a set is 532. What is the average of first four consecutive even numbers of the same set?

[www.competoid.com]

- (a) 76 Years (b) 75 years
(c) 74 years (d) 73 years @@

Answer: 73 years

- ## The sum of the present ages of P and Q is 25 years more than the age of R. The present

age of Q is 5 years more than that of R. Find the present age of P.

[www.competoid.com]

- (a) 20 years (b) 25 years
(c) 21 years (d) 22 years

@@

Answer: 20 years

The sum of three consecutive even numbers is 28 more than the average of these three number. Then the smallest of these number is -

[www.examveda.com; www.competoid.com]

- (a) 6 (b) 16
(c) 12 (d) 14

C

The value of $\left(\frac{2+\sqrt{3}}{2-\sqrt{3}} - 4\sqrt{3}\right)$ is

[www.sawaal.com]

- (a) 36 (b) 336
(c) 49 (d) 49+3

C

The weight (in kilograms) of 10 students are 52, 45, 31, 35, 40, 55, 60, 38, 44, 36. If 44 is replaced by 46 and 40 is replaced by 35, then the new median will be

[www.competoid.com]

- (a) 42 (b) 40.5
(c) 40 (d) 41.5

@@

Answer: 41.5

There are 10 balls; some of them are red and the others white. The average cost of all the balls is Rs. 28, average cost of red balls Rs. 25 and that of white balls is Rs. 30, the number of white balls is :

[www.competoid.com]

- (a) 3 (b) 5
(c) 6 (d) 7

@@

Answer: 6

There are 14 members in a yoga training centre. Four members of it leave and 6 new members join the centre. As a result, the average age of the members of the centre decreases by 5 years and the sum of all members also decreases by 20 years. What is the new average age of the members?

[www.competoid.com]

- (a) 28 years (b) 27 years
(c) 25 years (d) 29 years

@@

Answer: 25 years

There are a total of 200 students in a school, of which $\frac{7}{10}$ th are boys. Find the number of

girls in the school.

[www.sawaal.com]

- (a) 80 (b) 60
(c) 40 (d) 120

b

There are three categories of jobs A, B and C. The average salary of the student who got the job of A and B categories is 26 lakh per annum. The average salary of the students who got the job of B and C category is 44 lakh per annum and the average salary of those students who got the job of A and C categories is 34 lakh per annum. The most appropriate (or closet) range of average salary of all the three categories (if it is known that each student gets only one category of jobs i.e. , A, B and C):

[www.examveda.com]

- (a) lies between 30 and 44 (b) lies between 28 and 34
(c) lies between 34 and 44 (d) lies between 27 and 44
(e) None of these

a

There are two groups A and B of a class, consisting of 42 and 28 students respectively. If the average weight of group A is 25 kg and that of group B is 40 kg, find the average weight of the whole class.

[www.examveda.com; www.competoid.com]

- (a) 69 kg (b) 31 kg
(c) 70 kg (d) 30 kg

b

There is a number consisting of two digits, the digit in the units place is twice than digit in the tens place and if 2 subtracted from the sum of the digits, the difference is equal to $\frac{1}{6}$ th of the number. The number is

[www.competoid.com]

- (a) 23 (b) 25
(c) 26 (d) 24

@@

Answer: 24

Three maths classes: A, B and C take an algebra test. The average score of class A is 83. The average score of class B is 76. The average score of class C is 85. The average score of class A and B is 79 and average score of class B and C is 81. What is the average score of classes A, B, C ?

[www.competoid.com; www.sawaal.com]

- (a) 81 (b) 78
(c) 80.5 (d) 81.5

d

- ## Total weekly emoluments of the workers of a factory is Rs. 1534. Average weekly emolument of a worker is Rs. 118. The number of workers in the factory is :

[www.examveda.com; www.competoid.com]

- (a) 16 (b) 14
(c) 13 (d) 12 **(c)**

- ## What is the average of first 19 odd numbers?

[www.sawaal.com]

- (a) 9.5 (b) 15.5
(c) 19 (d) 38 **(c)**

- ## What is the average of first 7 multiples of 7?

[www.sawaal.com]

- (a) 7 (b) 14
(c) 28 (d) 21 **(c)**

- ## What is the average of first 93 natural numbers?

[www.sawaal.com]

- (a) 45 (b) 46
(c) 47 (d) 49 **(c)**

- ## What is the average of four tenths and five thousandths

[www.sawaal.com]

- (a) 25002 (b) 2502
(c) 0.2025 (d) none **(c)**

- ## What will be the average of the following set of numbers? 678, 193, 285, 494, 342, 762

[www.competoid.com]

- (a) 395 (b) 359
(c) 495 (d) 459

@@

Answer: 459

- ## What will be the cost of building a fence around a square plot with area equal to 289 sq ft, if the price per foot of building the fence is Rs. 58 ?

[www.sawaal.com]

- (a) Rs. 3748 (b) Rs. 3847
(c) Rs. 3944 (d) Rs. 3154 **(c)**

- ## When a student weighing 45 kgs left a class, the average weight of the remaining 59 students increased by 200g. What is the average weight of the remaining 59 students?

[www.examveda.com; www.lofoya.com]

- (a) 57 (b) 56.8
(c) 58.2 (d) 52.2 **(a)**

- ## When all the students in a school are made to stand in rows of 54, 30 such rows are formed. If the students are made to stand in rows of 45, how many such rows will be formed ?

[www.sawaal.com]

- (a) 22 (b) 36
(c) 32 (d) 26 **(b)**

7

Problems on Numbers

Out of three given numbers, the first number is twice the second and thrice the third. If the average of these three numbers is 154, then what is the difference between the first and the third numbers? [www.competoid.com]

- (a) 126 (b) 42
(c) 168 (d) 52 **(c)**

A chocolate has 12 equal pieces. Manju gave $\frac{1}{4}$ th of it to Anju, $\frac{1}{3}$ rd of it to Sujata and $\frac{1}{6}$ th of it to Fiza. The number of pieces of chocolate left with Manju is [www.competoid.com]

- (a) 1 (b) 2
(c) 3 (d) 4 **(c)**

A number consists of two digits. The sum of the digits is 10. On reversing the digits of the number, the number decreases by 36. What is the product of the two digits? [www.competoid.com]

- (a) 21 (b) 24
(c) 36 (d) 42 **(a)**

If the sum of numbers is 33 and their difference is 15, the smaller number is ? [www.examveda.com]

- (a) 9 (b) 12
(c) 15 (d) 18 **(a)**

The sum of the squares of three numbers is 138, while the sum of their product taken two at a time is 131. Their sum is : [www.examveda.com]

- (a) 20 (b) 30
(c) 40 (d) None of these **(a)**

X, Y and Z had taken a dinner together. The cost of the meal of Z was 20% more than that of Y and the cost of the meal of X was $\frac{5}{6}$ as much as the cost of the meal of Z. If Y paid Rs.100, then what was the total amount that all the three of them had paid? [www.competoid.com]

- (a) Rs.285 (b) Rs.300
(c) Rs.355 (d) 320 **(d)**

The difference between a two-digit number and the number obtained by interchanging the two digits of the number is 18. The sum of the two digits of the number is 12. What is the product of the digits of two-digit number? [www.competoid.com]

- (a) 32
(b) 27
(c) 35
(d) Couldn't be determined **(c)**

8

Problems on Ages

A father said to his son, "I was as old as you are at the present at the time of your birth". If the father's age is 38 years now, the son's age five years back was:

- (a) 14 years (b) 19 years
(c) 33 years (d) 38 years **a**

At present, the ratio between the ages of Arun and Deepak is 4 : 3. After 6 years, Arun's age will be 26 years. What is the age of Deepak at present?

[www.examyveda.com; www.indiabix.com]

- (a) 12 years (b) 15 years
(c) 19 and half (d) 21 years
(e) None of these **b**

In a family, the average age of father and mother is 35 yr. The average age of the father, mother and their only son is 27 yr. What is the age of the son?

[www.competoid.com]

- (a) 12 yr (b) 11 yr
(c) 10.5 yr (d) 10 yr **@@**

Answer: 11 yr

Raman's present age is three times his daughter's and nine-thirteenth of his mother's present age. The sum of the present ages of all three of them is 125 yr. What is the difference between the present ages of Raman's daughter and Raman's mother?

[www.competoid.com]

- (a) 45 yr (b) 40 yr
(c) 50 yr (d) Cannot be determined **@@**

Answer: 50 yr

Ravi's brother is 3 yr elder to him. His father was 28 yr of age when his sister was born, while his mother was 26 yr of age when he was born. If his sister was 4 yr of age when his brother was born, the ages of Ravi's father and mother respectively when his brother was born were

[www.competoid.com]

- (a) 32 yr and 23 yr (b) 32 yr and 29 yr
(c) 35 yr and 29 yr (d) 35 yr and 33 yr **@@**

Answer: 32 yr and 23 yr

The ages of Harsh and Sumit are 40 Yrs and 60 yr, respectively. How many years before the ratio of their ages was 3:5?

[www.competoid.com]

- (a) 15 yr (b) 20 yr
(c) 37 yr (d) 10 Yr **@@**

Answer: 10 Yr

The difference between the age of two persons is 15 years, 20 years ago the elder one was, twice as old as the younger one. The present age of the elder person is

[www.competoid.com]

- (a) 50 years (b) 60 years
(c) 48 years (d) None of these **@@**

Answer: 50 years

The difference between the ages of Meena and Seema is 3 yr and the ratio between their age is 7 : 8. What is the sum of their ages?

[www.competoid.com]

- (a) 43 yr (b) 41 yr
(c) 45 Yr (d) 48 Yr **@@**

Answer: 45 Yr

The present ages of Reena and Usha are 24 and 36 yr, respectively. What was the ratio between the ages of Usha and Reena respectively 8 yr ago?

[www.competoid.com]

- (a) 7 : 4 (b) 4 : 7
(c) 11 : 8 (d) 8 : 11 **@@**

Answer: 7 : 4

The ratio between the present ages of Tarun and Varun is 3: 7, respectively. After 4 yr, Varun's age will be 39 yr. What was Tarun's age 4 yr ago?

[www.competoid.com]

- (a) 12 yr (b) 13 yr
(c) 19 yr (d) None of the above **@@**

Answer: None of the above

The ratio of the ages of Ram and Rahim 10 yr ago was 1: 3. The ratio of their ages five years hence will be 2: 3. Then, the ratio of their present ages is

[www.competoid.com]

- (a) 1:2 (b) 3: 5

- (c) 3: 4 (d) 2: 5 **(b)**
 Answer: 3: 5
The sum of ages of 5 children born at the intervals of 3 years each is 50 years. What is the age of the youngest child?
 (a) 4 years (b) 8 years
 (c) 10 years (d) None of these **(a)**
The sum of ages of 5 children born at the intervals of 3 years each is 50 years. What is the age of the youngest child?
 (a) 4 years (b) 8 years
 (c) 10 years (d) None of these **(a)**

- ##** The sum of the ages of the father and son is 48 years. After 4 years, the age of the father will be three times that of his son. Their ages respectively are
 [www.competoid.com]

- (a) 38 years, 10 years (b) 42 years, 6 years
 (c) 35 years, 13 years (d) 42 years, 8 years **(a)**

Answer: 38 years, 10 years

- ##** A person was asked to state his age in years. His reply was , "Take my age 3 years hence, multiply it by 3 and subtract 3 times my age 3 years ago and you will know how old I am." What was the age of the person ?
 [www.sawaal.com]

- (a) 18 (b) 20
 (c) 24 (d) 30 **(a)**

11

Percentage

$\frac{3}{4}$ of a number is equal to 75% of 600. The number is

[www.competoid.com]

- (a) 600 (b) 450
(c) $\frac{3}{7}$ of 450 (d) 180

@@

Answer: 600

$\frac{2}{3}\%$ of 336 = ?

[www.competoid.com]

- (a) 318 (b) 224
(c) 672 (d) 336.66

@@

Answer: 224

. If radius of a circle is increased by 50 %, then area of the circle will be increased by

[www.competoid.com]

- (a) 50% (b) 150%
(c) 125% (d) 200%

@@

Answer: 125%

0.001 is equivalent to :

[www.examveda.com]

[www.competoid.com]

- (a) 10% (b) 1%
(c) 0.01% (d) 0.1%

d

0.15% of $33\frac{1}{3}\%$ of Rs. 10000 is:

[www.competoid.com]

- (a) Rs. 5 (b) Rs.150
(c) Rs. 0.05 (d) Rs. 105

@@

Answer: Rs. 5

1% of 1% of 25% 1000 is:

[www.examveda.com]

- (a) 0.025 (b) 0.0025
(c) 0.25 (d) 0.000025

a

12 of 26% of $\frac{5}{78}$ of 38% of $\frac{7}{152}$ of 10000 = ?

[www.competoid.com]

- (a) 38 (b) 35
(c) 41 (d) 52

@@

Answer: 35

125% of 860 + 75% of 480 = ?

[www.examveda.com]

- (a) 1415 (b) 1385
(c) 1435 (d) None of these

c

15 litres of a mixture contains alcohol and water in the ratio 1 : 4, If 3 litres of Water is mixed in it, the percentage of alocohol in the new mixture will be:

[www.competoid.com]

- (a) 15% (b) $16\frac{2}{3}\%$
(c) 17% (d) $18\frac{1}{2}\%$

@@

Answer: 1623%1623%

15% of 45% of a number is 105.3. What is 24% of that number.

[www.examveda.com]

- (a) 385.5 (b) 374.4
(c) 390 (d) 375

b

18% of which number is equal to 12% of 75 ?

[www.competoid.com; www.examveda.com]

- (a) 50 (b) 100
(c) 2 (d) $\frac{3}{2}$

@@

Answer: 50

2 is What percent of 50 ? . '

[www.competoid.com]

- (a) 2% (b) 2.5%
(c) 4% (d) 5%

@@

Answer: 4%

200 litres of a mixture contains 15% water and the rest is milk. The amount of milk that must be added so that the resulting mixture contains 87.5% milk is:

[www.competoid.com]

- (a) 30 litres (b) 35 litres
(c) 40 litres (d) 45 litres

@@

Answer: 40 litres

220% of a number X is 44. What is 44% of X.

[www.examveda.com]

- (a) 8.8 (b) 8.9
(c) 6.6 (d) 7.7

a

23% of 8040 + 42% of 545 = ? % of 3000

[www.examveda.com]

- (a) 56.17 (b) 63.54
(c) 69.27 (d) 71.04
(e) None of these

c

2

PHENOM PUBLICATIONS

25% of 120 + 40% of 380 = ? of 637

[www.competoid.com]

- (a) $\frac{2}{7}$ (b) $\frac{1}{7}$
(c) $\frac{4}{7}$ (d) $\frac{3}{7}$

@@

Answer: 2727

25% of 120 + 40% of 380 = ? of 637

[www.examveda.com]

- (a) $\frac{2}{7}$ (b) $\frac{1}{7}$
(c) $\frac{4}{7}$ (d) $\frac{3}{7}$

a

25% of the candidates who appeared in an examination failed and only 450 student, qualify the exam. The number of students who appeared in the examination was:

[www.competoid.com; www.examveda.com]

- (a) 700 (b) 600
(c) 550 (d) 500

@@

Answer: 600

25% of what amount of money is equal to $12\frac{1}{2}\%$ of Rs.180 = ?

[www.competoid.com]

- (a) Rs.120 (b) Rs.75
(c) Rs.80 (d) Rs.90

@@

Answer: Rs.90

30% of a 3-digit number is 190.8. What will be 125% of that number?

[www.competoid.com]

- (a) 759 (b) 785
(c) 795 (d) 779

@@

Answer: 795

30% of a number when subtracted from 91, gives the number itself. Find the number.

[www.examveda.com]

- (a) 60 (b) 65
(c) 75 (d) 70
(e) None of these (d)

30% of x is 72. The value of x is:

[www.competoid.com]

- (a) 216 (b) 240
(c) 480 (d) 640

@@

Answer: 240

31% of employees pay tax in the year 2008. Non-tax paying employees are 20700. The total number of employees is :

[www.competoid.com; www.examveda.com]

- (a) 31160 (b) 64750

(c) 30000 (d) 66775 (c)

40 litres of a mixture of milk and water contains 10% of water, the water to be added, to make the water content 20% in the new mixture is :

[www.competoid.com]

- (a) 6 litres (b) 6.5 litres
(c) 5.5 litres (d) 5 litres

@@

Answer: 5 litres

40% of the students in a college play Basketball, 34% of the students play Tennis and the number of students who play both the games is 234. The number of students who play neither Basketball nor Tennis is 52%. Determine the student population in the college.

[www.competoid.com]

- (a) 800 (b) 1050
(c) 900 (d) 850

@@

Answer: 900

405 sweets were distributed equally among children in such a way that the number of sweets received by each child is 20% of the total no. of children. How many sweets did each child receive ?

[www.competoid.com]

- (a) 15 (b) 45
(c) 9 (d) 18

@@

Answer: 9

48% of the last number is 60% of the 2nd number. What is the ratio of the 1st number to the 2nd number?

[www.competoid.com]

- (a) 4:7 (b) 3:4
(c) 5:4 (d) Couldn't be determined

@@

Answer: 5:4

498 is 17% less than a number then the number is :

[www.examveda.com; www.competoid.com]

- (a) 610 (b) 580
(c) 600 (d) 620

(c)

5% of Rs.10 + 10% of Rs.5 = ?

[www.competoid.com]

- (a) 30 (b) 20
(c) 5 (d) 1

@@

Answer: 1

50 kg is what per cent of 250 kg?

[www.competoid.com]

- (a) 26% (b) 15%

(c) 20% (d) 18% @@
Answer: 20%

50 minutes is what percentage of a day (approx.)-

- (a) 3.5% (b) 4%
(c) 5% (d) 6% (a)

51% of a whole number is 714. 25% of that number is

- (a) 250 (b) 350
(c) 450 (d) 550 @@

Answer: 350

6 c.c. of a 20% solution of alcohol in water is mixed with 4 c.c. of a 60% solution of alcohol in water. A glass is filled with 10 parts of first liquid and 4 parts of second liquid. The percentage of water in the new mixture in the glass is :

- (a) 20% (b) 26%
(c) 36% (d) 40% (c)

62.385% of 2.560 - 2.560 % of 62.385 = ?

- (a) 150.53 (b) 152.35
(c) 0 (d) 1.5 @@

Answer: 0

65g is what per cent of 2 kg ?

- (a) $\frac{13}{4}\%$ (b) $\frac{65}{2}\%$
(c) $\frac{15}{8}\%$ (d) $\frac{13}{8}\%$ @@

Answer: 134%134%

72% of the students of a certain class took Biology and 44% took Mathematics. If each student took at least one subject from Biology or Mathematics and 40 took both then the total number of students in the class is :

- (a) 200 (b) 240
(c) 250 (d) 320 @@

Answer: 250

75% of a number when added to 75, becomes the number itself find the number.

- (a) 150 (b) 200
(c) 225 (d) 300 @@

Answer: 300

75% of what area is 15 square metres?

- (a) 10m² (b) 15m²
(c) 20m² (d) 25m² @@

Answer: 20m220m2

78% of 750 + 34% of x = 30% of 2630. Find x.

- (a) 960 (b) 600
(c) 800 (d) 750 (b)

8 is 4% of a, and 4 is 8% of b. c equals $\frac{b}{a}$.

What is the value of c?

- (a) $\frac{1}{32}$ (b) $\frac{1}{4}$
(c) 1 (d) 4 (b)

8% of the voters in an election did not cast their votes. In this election, there were only two candidates. The winner by obtaining 48% of the total votes, defeated his contestant by 1100 votes. The total number of voters in the election was:

- (a) 21000 (b) 23500
(c) 22000 (d) 27500 @@

Answer: 27500

80% of a number added to 80 gives the result as the number itself, then the number is :

- (a) 200 (b) 300
(c) 400 (d) 480 (c)

80% of a number is greater than 30% of it by 60. The number is

- (a) 180 (b) 130
(c) 90 (d) 200 @@

Answer: 200

80% of a number is greater than 50% of it by 120. The number is

- (a) 360 (b) 260
(c) 180 (d) 400 @@

Answer: 400

80% of a smaller number is 4 less than 40% of a larger number. The larger number is 85 greater than the smaller one. The sum of these two number is

[www.examveda.com]

- (a) 325 (b) 425
(c) 235 (d) 500

C

$83\frac{1}{3}\%$ of Rs.90 is' equal to 60% of ?

[www.competoid.com]

- (a) Rs.122 (b) Rs.125
(c) Rs.123 (d) Rs.124

@@

Answer: Rs.125

89% of ? + 365 = 1075.22

[www.competoid.com]

- (a) 798 (b) 897
(c) 898 (d) 752

@@

Answer: 798

90% of the students in school passed in English, 85% passed in Mathematics and 150 students passed in both the subjects. if no student failed in both the subjects, and the total number of students.

[www.competoid.com]

- (a) 120 (b) 220
(c) 200 (d) 300

@@

Answer: 200

A basket contains 300 mangoes. 75 mangoes were distributed among some students. Find the percentage of mangoes left in the basket

[www.competoid.com]

- (a) 70% (b) 72%
(c) 76% (d) 75%

@@

Answer: 75%

A big cube is formed by rearranging the 160 coloured and 56 non-coloured similar cubes in such a way that the expouser of the coloured cubes to the outside is minimum. The percentage of exposed area that is coloured is:

[www.examveda.com]

- (a) 25.9% (b) 44.44%
(c) 35% (d) 32%
(e) None of These

B

A book consist of 30 pages, 25 line on each page and 35 characters on each line. If this content is written in another note book consisting 30 lines and 28 characters per line then the required no. of pages will how much percent greater than previous pages?

[www.examveda.com]

- (a) 4.16% (b) 5%
(c) 6.66% (d) 7%

C

A box has 100 blue, 50 red balls, 50 black balls, 25% of blue balls and 50% of red balls

are taken away, Percentage of black balls at present is

[www.competoid.com]

- (a) 50% (b) 25%
(c) $33\frac{1}{3}\%$ (d) 40%

@@

Answer: $33\frac{1}{3}\%$

A boy found the answer for the question Subtract the sum $\frac{1}{4}$ and $\frac{1}{5}$ from unity and express the answer in decimals" as 0.45. The percentage of error in his answer has

[www.competoid.com]

- (a) $\frac{100}{11}\%$ (b) 50%
(c) 10% (d) $\frac{200}{11}\%$

@@

Answer: $200\frac{11}{11}\%$

A businessman imported Laptop, worth Rs.210000, Mobile phones worth Rs.100000 and Television sets worth Rs.150000. He had to pay 10% duty on Laptops, 8% on Phones and 5% on Television sets as special case. How much total duty (in rupees) he had to pay on all items as per above details?

[www.competoid.com]

- (a) 36500 (b) 37000
(c) 37250 (d) 37500

@@

Answer: 36500

A businessman sold $\frac{2}{3}$ of his stock at a gain of 20% and the rest at a gain of 14%. The percentage of gain to the businessman is

[www.competoid.com]

- (a) 12% (b) 17%
(c) 18% (d) 20%

@@

Answer: 18%

A businessman's earning by 25% in one year but decrease by 4% in the next . Going by their pattern, after 5 years, his tom earnings would be Rs.72000 What is his present earning?

[www.competoid.com]

- (a) Rs. 10000 (b) Rs. 80000
(c) Rs. 40000 (d) Rs. 54000

@@

Answer: Rs. 40000

A candidate appearing for an examination has to secure 35% marks to pass. But he secured only 40 marks and failed by 30 marks. What would be the maximum marks

of test ?

- (a) 280 (b) 180
(c) 200 (d) 150

[www.competoid.com]

@@

Answer: 200

A candidate got 25% marks and got failed by 12 marks. Another candidate got 30% of the total marks and got 30% marks more than the necessary pass marks. Find the total number of marks.

[www.competoid.com]

- (a) 252 (b) 452
(c) 352 (d) 552

@@

Answer: 252

A candidate scores 20% and fails by 50 marks, while another candidate who scores 40% marks, gets 30 marks more than the minimum required marks to pass the examination. Find the maximum marks for the examination.

[www.competoid.com]

- (a) 500 (b) 450
(c) 300 (d) 400

@@

Answer: 400

A candidate who gets 20% marks fails by 10 marks but another candidate who gets 42% marks gets 12% (of max. marks) more than the passing marks. Find the maximum marks.

[www.lofoya.com]

- (a) 50 (b) 100
(c) 150 (d) 200

A candidate who gets 20% marks fails by 30 marks, but another candidate who gets 32% marks gets 42 marks more than the minimum pass marks. The maximum marks will be

[www.competoid.com]

- (a) 400 (b) 500
(c) 600 (d) 300

@@

Answer: 600

A clerk received an annual salary of Rs.3,660 in the year 1975. This was 20% more than his salary in 1974. What was his salary in 1974 ?

[www.competoid.com]

- (a) Rs.3,005 (b) Rs.3,000
(c) Rs.3,500 (d) Rs.3,050

@@

Answer: Rs.3,050

A college has raised 75% of the amount it needs for a new building by receiving an average donation of Rs. 600 from the people already solicited. The people already solicited represent 60% of the people, the college will ask for donations. If the college is to raise exactly the amount needed for the new building, what should be the average donation from the remaining people be solicited?

[www.examveda.com]

- (a) 300 (b) 250
(c) 400 (d) 500

a

A company has 12 machines of equal efficiency in its factory. The annual manufacturing expenses are Rs. 24,000 and the establishment charges are Rs. 10,000. The annual output of the company is Rs. 48,000. The annual output and manufacturing costs are directly proportional to the no. of machines while the share holders get the 10% profit, which is directly proportional to the annual output of the company. If 8.33% of machines remained close throughout the year. Then the percentage decrease in the amount of share holders is :

[www.examveda.com]

- (a) 14.28% (b) 11.11%
(c) 16.66% (d) 8.33%
(e) None of these

a

A company has 6435 bars of soap. If the company has sold 20% of its stock, then how many bars of soap did it sell ?

[www.competoid.com]

- (a) 1237 (b) 1257
(c) 1287 (d) 1300

@@

Answer: 1287

A cooler of Rs.2500 is available at 25% discount. The cooler can be purchased for

[www.competoid.com]

- (a) Rs.2250 (b) Rs.2000
(c) Rs.1680 (d) Rs.1875

@@

Answer: Rs.1875

A customer asks for the production of x number of goods. The company produces y number of goods daily. Out of which z% are units for sale. The order will be completed in :

[www.examveda.com]

- (a) $\frac{x}{100y \times (1-z)}$ days (b) $\frac{100yz}{x}$ days
 (c) $\frac{100x}{(100-z)y}$ days (d) $\frac{100}{y \times (z-1)}$ days
 (e) Cannot be determined (c)

A fraction in reduced form is such that when it is squared and then its numerator is reduced by $33\frac{1}{3}\%$ and denominator is reduced to 20%, its result is twice the original fraction. The sum of numerator and denominator is:

[www.examveda.com]

- (a) 8 (b) 13
 (c) 17 (d) 15
 (e) None of these (a)

A fraction in reduced form is such that when it is squared and then its numerator is increased by 25% and the denominator is reduced to 80% it results in $\frac{5}{8}$ of original fraction. The product of the numerator and denominator is:

[www.examveda.com]

- (a) 6 (b) 12
 (c) 10 (d) 7 (c)

A gardener increased the rectangular garden by increasing its length by 40% and decreasing its width by 20%. The area of the new garden:

[www.examveda.com]

- (a) Has increased by 20% (b) Has increased by 12%
 (c) Has increased by 8% (d) Is exactly the same as the old area (b)

'A' gave 25% of an amount to 'B'. From the money B got, he spent 30% on a dinner. Out of the remaining amount, the respective ratio between the amount B kept as savings and the amount he spent on buying a book is 5 : 2. HS bought the book for Rs. 460. How much money did A have in the beginning?

[www.competoid.com]

- (a) Rs. 12600 (b) Rs. 9200
 (c) Rs. 12000 (d) Rs. 9000 @@

Answer: Rs. 9200

A is equal to 20% of B and B is equal to 25% of C. Then what percentage of C is equal to A?

[www.competoid.com]

- (a) 10 (b) 15
 (c) 5 (d) 20 @@

Answer: 5

A jogger desires to run a certain course in $\frac{1}{4}$ less time than he usually takes. By what per cent must he increase his average running speed to accomplish the goal?

[www.competoid.com]

- (a) 50% (b) 20%
 (c) 25% (d) $33\frac{1}{3}\%$ @@

Answer: $33\frac{1}{3}\%$

A line of length 1.5 metres was measured as 1.55 metres by mistake. What will be the value of error percent?

[www.examveda.com; www.competoid.com]

- (a) 0.05% (b) $3\frac{7}{31}\%$
 (c) $3\frac{1}{3}\%$ (d) 0.08% (c)

A litre of water evaporates from 6L of sea water containing 4% salt. Find the percentage of salt in the remaining solution.

[www.examveda.com]

- (a) $5\frac{1}{2}\%$ (b) $3\frac{1}{2}\%$
 (c) 3% (d) $4\frac{4}{5}\%$ (d)

A man buys a truck for Rs. 2,50,000. The annual repair cost comes to 2% of the price of purchase. Besides, he has to pay an annual tax of Rs. 2000. At what monthly rent must he rent out the truck to get a return of 15% on his net investment of the first year?

[www.examveda.com]

- (a) Rs. 3359 (b) Rs. 2500
 (c) Rs. 4000 (d) Rs. 3212.5 (d)

A man calculates that if he lets his house for Rs. 80 per month he would earn $7\frac{1}{2}\%$ p.a. on his outlay after allowing for repairs. Actually he is able to let it for Rs. 76 p.m. and had to spend Rs. 60 more on repairs. He thus gets only 6% p.a. on his outlay. The outlay is

[www.competoid.com]

- (a) Rs. 6,800 (b) Rs. 7,200
 (c) Rs. 10,000 (d) Rs. 7,140 @@

Answer: Rs. 7,200

A man had certain sum of money. He gave 20% of it to his eldest son, 30% of the remaining balance to his younger son, 10% of the remaining he gave in a school for poor boys, still he had Rs.100.80. Find his total sum.

[www.competoid.com]

- (a) Rs.240 (b) Rs.200
(c) Rs.180 (d) Rs.360 @@

Answer: Rs.200

A man invests a part of Rs.10,000 at 5% and the remainder at 6%. The 5% investment yields annually Rs.76.50 more than the 6% investment. The amount invested at 6% is:

[www.competoid.com]

- (a) Rs.3,600 (b) Rs.3,550
(c) Rs.3,850 (d) Rs.4,000 @@

Answer: Rs.3,850

A man losses 20% of his money. After spending 25% of the remainder, he has Rs.480 left. What is the amount of money he originally had?

[www.competoid.com]

- (a) 600 (b) 720
(c) 800 (d) 840 @@

Answer: 800

A man purchased a bag for Rs.360 and sold it the same day for Rs. 360, allowing the buyer a credit of 9 years. If the interest be $7\frac{1}{2}$ % then what is the man's gain? [www.lofoya.com]

- (a) 159 (b) 173
(c) 243 (d) 287 C

A man received Rs.8,80,000 as his annual salary of the year 2007 which was 10% more than his annual salary in 2006. His annual salary in the year 2006 was:

[www.competoid.com]

- (a) Rs.4,80,000 (b) Rs.8,00,000
(c) Rs.4,00,000 (d) Rs.8,40,000 @@

Answer: Rs.8,00,000

A man spend $7\frac{1}{2}$ % of his money and after spending 75% of the remaining he had Rs.370 left. How much money did he have [www.competoid.com; www.examveda.com]

- (a) 1200 (b) 1600
(c) 1500 (d) 1400 @@

Answer: 1600

A man spends 15% of his income. If his expenditure is Rs.75, his income (in rupees) is:

[www.competoid.com]

- (a) 400 (b) 300
(c) 750 (d) 500 @@

Answer: 500

A man spends 40% of his monthly salary on food and one-third of the remaining on transport. If he saves Rs.4,500 per month which is equal to half the balance after spending on food and transport, his monthly salary is :

[www.competoid.com]

- (a) Rs.11,250 (b) Rs.22,500
(c) Rs.25,000 (d) Rs.45,000 @@

Answer: Rs.22,500

A man spends 75% of his income His income increased by 20% and he increased his expenditure by 15%. His savings will then increased by:

[www.competoid.com]

- (a) 33% (b) $33\frac{1}{3}$ %
(c) 35% (d) 40% @@

Answer: 35%

A mixture of 50 litres of milk and water contains 10% water. How much water should be added to this so that water may be 25% in the new mixture.

[www.competoid.com]

- (a) 10 litres (b) 15 litres
(c) 6 litres (d) 12 litres @@

Answer: 10 litres

A money lender finds that due to fall in the rate of interest from 8% to $7\frac{3}{4}$ %, his yearly income diminishes by Rs.61.50. His capital (in Rupees) is:

[www.competoid.com]

- (a) 26000 (b) 24600
(c) 23800 (d) 22400 @@

Answer: 24600

A number if reduced by 25% becomes 225. By what percent should it be increased so that it becomes 375 ?

[www.examveda.com]

- (a) 25% (b) 30%
(c) 35% (d) 75% a

A number increased by $22\frac{1}{2}\%$ gives 98 as result. The number is: [www.competoid.com]

- (a) 45 (b) 18
(c) 80 (d) 81

Answer: 80

A number is decreased by 10% and the resulting number is again decreased by 20%. What is the final percentage of decrease? [www.examveda.com; www.competoid.com]

- (a) 25% (b) 26%
(c) 27% (d) 28%

A number is divided into two parts in such a way that 80% of 1st part is 3 more than 60% of 2nd part and 80% of 2nd part is 6 more than 90% of the 1st part. Then the number is: [www.competoid.com]

- (a) 125 (b) 130
(c) 135 (d) 145

Answer: 135

A number is first increased by 10% and then it is further increased by 20%. The original number is increased altogether by: [www.competoid.com]

- (a) 30% (b) 15%
(c) 32% (d) 36%

Answer: 32%

A number is increased by 15% and then decreased by 25% and the number becomes 22 less than the original number. The original number is: [www.examveda.com; www.competoid.com]

- (a) 140 (b) 160
(c) 120 (d) 100

A number is increased by x%; to get back to the original number, it is to be reduced by? [www.competoid.com]

- (a) $\frac{10x}{10+x}\%$ (b) $\frac{100x}{100x}\%$
(c) X% (d) $\frac{x}{100+x}\%$

Answer: $100x100x\%100x100x\%$

A number when 35 is subtracted from it is reduced its value by 20 percent. What is the four-fifth of that number? [www.competoid.com]

- (a) 70 (b) 140
(c) 84 (d) 108

Answer: 140

A number when reduced by 10% gives 30 as result. The number is: [www.competoid.com]

- (a) $33\frac{1}{2}$ (b) $33\frac{1}{3}$
(c) 40 (d) 35

Answer: 33133313

A number x is mistakenly divided by 10 instead of being multiplied by 10. what is the percentage error in the result? [www.examveda.com]

- (a) -99% (b) -100%
(c) +99% (d) +100%

A number, on subtracting 15 from it reduces to its 80% What is 40% of the number? [www.competoid.com]

- (a) 75 (b) 60
(c) 30 (d) 90

Answer: 30

A number, on subtracting 15 from it reduces to its 80%. What is 40% of the number? [www.examveda.com]

- (a) 75 (b) 60
(c) 30 (d) 90

A person loses 75% of his money in the first bet, 75% of the remaining in the second and 75% of the remaining in the third bet and returns home with Rs. 2 only. His initial money was [www.competoid.com]

- (a) Rs.64 (b) Rs.128
(c) Rs.256 (d) Rs.945

Answer: Rs.128

A person spends 30% of monthly salary on rent, 25% on food, 20% on children's education and 12% on electricity, and the balance of Rs.1,040 on the remaining items. What is the monthly salary of the person? [www.competoid.com]

- (a) Rs.8,000 (b) Rs.9,000
(c) Rs.9,600 (d) Rs.10,600

Answer: Rs.8,000

A person subscribing to sky cable for a year pack Rs. 1785. If the monthly subscription is Rs. 175, how much discount does a yearly subscriber get? [www.examveda.com]

- (a) 11% (b) 13%
(c) 15% (d) 18%

A person who spends $66\frac{2}{3}\%$ of his income is able to save Rs. 1200 per month. His monthly expenses (in Rs.) is :

[www.competoid.com; www.examveda.com]

- (a) 1,200 (b) 2,400
(c) 3,000 (d) 3,200 @@

Answer: 2,400

A person's salary has increased from Rs.7200 to Rs.8100. What is the percentage increase in his salary?

[www.competoid.com]

- (a) 25% (b) 18%
(c) $16\frac{2}{3}$ (d) $12\frac{1}{2}$ @@

Answer: 12121212

A population of variety of tiny bush in an experiment field increased by 10% in the first year, increased by 8% in the second year but decreased by 10% in third year. If the present number of bushes in the experiment field is 26730, then the number of variety of bushes in beginning was:

[www.examveda.com]

- (a) 35000 (b) 27000
(c) 25000 (d) 36000 **(c)**

A property dealer takes 3% commission. If the value of the property is Rs.60,000. Find his commission.

[www.competoid.com]

- (a) 1200 (b) 900
(c) 1800 (d) 1000 @@

Answer: 1800

A reduction of 10% in the price of cloth enables a man to buy 6 meters of cloth more for Rs. 2160. Find the reduced price and also the original price of cloth per meter.

[www.examveda.com]

- (a) Rs. 36, Rs. 40 (b) Rs. 40, Rs. 36
(c) Rs. 36, Rs. 44 (d) Rs. 44, Rs. 36 **(a)**

A reduction of 20% In prices of tea enables a purchase1 to obtain 4 kilos more for Rs. 80. What is the reduced price per kg? What was the price per kilo before reduction?

[www.competoid.com]

- (a) Rs.5 (b) Rs.4
(c) Rs.6 (d) Rs.8 @@

Answer: Rs.5

A reduction of 20% in the price of Wheat enables a person to buy 3.5 kg more Wheat

for Rs.770. The original price of rice is

[www.competoid.com]

- (a) Rs.55 per kg (b) Rs.45 per kg
(c) Rs.65 per kg (d) Rs.37 per kg @@

Answer: Rs.55 per kg

A reduction of 21% in the price for an item enables a person to buy 3 kg more for Rs.100. The reduced price of item per kg is:

[www.competoid.com]

- (a) Rs.5.50 (b) Rs.7.50
(c) Rs.10.50 (d) Rs.7.00 @@

Answer: Rs.7.00

A report consists of 20 sheets each of 55 lines and each such line consist of 65 characters. This report is reduced onto sheets each of 65 lines such that each line consists of 70 characters. The percentage reduction in number of sheets is closer to

[www.examveda.com]

- (a) 20% (b) 5%
(c) 30% (d) 35%
(e) None of these **(a)**

A sales executive gets 20% bonus of the total sales value and 10% commission besides the bonus on the net profit after charging such commission. If the total sales value be Rs. 10 lakh per annum and the total profit of the company be Rs. 1.32 lakh, then his total earning per annum will be, given that he is not entitled to receive any fixed salary from the company :

[www.examveda.com]

- (a) 2.3 lakh (b) 2.32 lakh
(c) 2.12 lakh (d) 3.2 lakh
(e) None of these **(c)**

A salesman sells two kinds of trousers: cotton and woollen. A pair of cotton trousers is sold at 30% profit and a pair of woollen trousers is sold at 50% profit. The salesman has calculated that if he sells 100% more woollen trousers than cotton trousers, his overall profit will be 45%. However, he ends up selling 50% more cotton trousers than woollen trousers. What will be his overall profit

[www.lofoya.com]

- (a) 37.5% (b) 40%
(c) 41% (d) 42.33% **(b)**

A sample of 50 litres of glycerine is found to be adulterated to the extent of 20%. How

much pure glycerine should be added to it so as to bring down the percentage of impurity to 5% ?

[www.examveda.com; www.competoid.com]

- (a) 155 litres (b) 150 litres
(c) 150.4 litres (d) 140 litres

A saves 20% of his monthly salary. If his monthly expenditure is Rs. 6000, then his monthly savings is :

[www.examveda.com; www.competoid.com]

- (a) Rs. 1500 (b) Rs. 1800
(c) Rs. 1200 (d) Rs. 4800

A scored 72% in a paper with a maximum marks of 900 and 80% in another paper with a maximum marks of 700. If the result is based on the combined percentage of two papers, the combined percentage is :

[www.examveda.com; www.competoid.com]

- (a) 75.5% (b) 76%
(c) 76.5% (d) 77%

A screw driver and a hammer currently have the same price. If the price of a screw driver rises by 5% and the price of hammer goes up by 3%, then how much more will it cost to buy, 3 screw drivers and 3 hammers ?

[www.competoid.com]

- (a) 3% (b) 4%
(c) 5% (d) 8%

Answer: 4%

A shepherd had n goats in the year 2000. In 2001 the no. of goats increased by 40%. In 2002 the no. of goats declined to 70%. In 2003 the no. of goats grew up 30%. In 2004, he sold 10% goats and then he had only 34,398 goats. The percentage increase of the no. of goats in this duration was :

[www.examveda.com]

- (a) 16.66% (b) 14.66%
(c) 11.33% (d) 20%

A shepherd has 1 million sheep at the beginning of Year 2000. The numbers grow by x during the year. A famine hits his village in the next year and many of his sheep die. The sheep population decreases by y during 2001 and at the beginning of 2002 the shepherd finds that he is left with 1 million sheep. Which of the following is correct?

[www.lofoya.com]

- (a) $x > y$ (b) $y > x$

- (c) $x = y$ (d) Cannot be determined

A shop sells floor tiles at Rs. 48 per square meter. A contractor employs a machine that polishes the tiles that damages 10% of the total number of tiles which cannot be used any more. Calculate the amount that needs to be paid by contractor to tile shop owner, if the hall is of a square shape and has a perimeter of 400 meters?

[www.examveda.com]

- (a) Rs. 4,00,000 (b) Rs. 5,00,000
(c) Rs. 5,28,000 (d) Rs. 3,65,000

A shopkeeper first raises the price of Jewellery by $x\%$ then he decreases the new price by $x\%$. After such up down cycle, the price of a Jewellery decreased by Rs. 21025. After a second up down cycle the Jewellery was sold for Rs. 484416. What was the original price of the jewellery.

[www.examveda.com]

- (a) Rs. 5,26,000 (b) Rs. 6,00,625
(c) Rs. 5,25,625 (d) Rs. 5,00,000
(e) None of these

A shopkeeper gives a discount of 12%, whereas a customer makes cash payment. Let 'p' denotes the percentage, above the cost price, that the shopkeeper must mark up the price of the articles ['p' is an integer] in order to make a profit of $x\%$ ($x < 100$). Which of the following is the possible value (s) of x ?

[www.lofoya.com]

- (a) 54 (b) 76
(c) 96 (d) 32

A shopkeeper sells three items P, Q and R and incurs a loss of 21, 11 and 10 respectively. The overall loss percentage on selling P and Q items is 14.33 and that of Q and R items is 10.4. Find the overall loss percentage on selling the three items?

[www.lofoya.com]

- (a) 15% (b) 12.16%
(c) 13.4% (d) 12.5%

A small and medium enterprise imports two components A and B from Taiwan and China respectively and assembles them with other components to form a toy. Component A contributes to 10 of production cost. Component B contributes to 20 of the

production cost. Usually, the company sells this toy at 20% above the production cost. Due to increase in the raw material and labour cost in both the countries, Component A became 20 costlier and component B became 40 costlier. Owing to these reasons the company increased its selling price by 15. Considering that cost of other components does not change, what will be the profit percentage, if the toy is sold at the new price?

[www.lofoya.com]

- (a) 15.5% (b) 25.5%
(c) 35.5% (d) 40% **(b)**

A spider climbed $62\frac{1}{2}\%$ of the height of the pole in one hour and in the next hour it covered $12\frac{1}{2}\%$ of the remaining height. If pole's height is 192 m, then the distance climbed in second hour is

[www.competoid.com; www.examveda.com]

- (a) 3 m (b) 5 m
(c) 7 m (d) 9 m **(a)**

Answer: 9 m

A student appeared in the Mock CAT. The test paper contained 3 sections namely QA, DI and VA. The percentage marks in all VA was equal to the average of percentage marks in all the 3 sections. Coincidentally, if we reverse the digit of the percentage marks of QA we get the percentage marks of DI. The percentage marks in VA scored by student could be:

[www.examveda.com]

- (a) 81 (b) 48
(c) 66 (d) 69
(e) None of these **(c)**

A student has to obtain 33% of total marks to pass. He got 25% of total marks and failed by 40 marks. The number of total marks is :

[www.competoid.com]

- (a) 800 (b) 300
(c) 500 (d) 600 **(a)**

Answer: 500

A student has to score 40% marks to get through. If he gets 40 marks and fails by 40 marks, then find the maximum marks set for the examination.

[www.competoid.com]

- (a) 200 (b) 250
(c) 300 (d) 150 **(a)**

Answer: 200

A student has to score 40% marks to pass. He gets 178 marks and fails by 22 marks. The maximum mark is

[www.competoid.com]

- (a) 200 (b) 500
(c) 800 (d) 1000 **(a)**

Answer: 500

A student took five papers in an examination, where the full marks were the same for each paper. His marks in these papers were in the proportion of 6:7:8:9:10. In all papers together, the candidate obtained 60% of the total marks then, the number of papers in which he got more than 50% marks is

[www.examveda.com]

- (a) 1 (b) 3
(c) 4 (d) 5
(e) None of these **(c)**

A student was asked to measure the length and breadth of a rectangle. By mistake, he measured the length 20% less and the breadth 10% more. If its original area is 200 sq cm, then find the area after this measurement?

[www.competoid.com]

- (a) 176 sq cm (b) 206 sq cm
(c) 226 sq cm (d) 316 sq cm **(a)**

Answer: 176 sq cm

A student was awarded certain marks in an examination. However, after re-evaluation, his marks were reduced by 40% of the marks that were originally awarded to him, so that the new score now became 96. How many marks did the student lose after re-evaluation?

[www.competoid.com]

- (a) 58 (b) 68
(c) 63 (d) 64 **(a)**

Answer: 64

A sum of Rs. 2,236 is divided among A, B and C such that A receives 25% more than C and C receives 25% less than B. What is A's share in the amount?

[www.competoid.com]

- (a) Rs.460 (b) Rs.890
(c) Rs.780 (d) Rs.1280 **(a)**

Answer: Rs.780

- ## A sum of Rs.731 is divided among A, B and C. such that 'A' receives 25% more than 'B' and 'B' receives 25% less than 'C'. What is C's share in the amount?

[www.competoid.com]

- (a) Rs.172 (b) Rs.200
(c) Rs.262 (d) None of these @@

Answer: None of these

- ## A team played 40 games in a season and won 24 of them. What percent of winning?

[www.competoid.com]

- (a) 70% (b) 40%
(c) 60% (d) 35% @@

Answer: 60%

- ## A Techno company has 14 machines of equal efficiency in its factory. The annual manufacturing costs are Rs 42,000 and establishment charges are Rs 12,000. The annual output of the company is Rs 70,000. The annual output and manufacturing costs are directly proportional to the number of machines. The shareholders get 12.5 profit, which is directly proportional to the annual output of the company. If 7.14 machines remain closed throughout the year, then the percentage decrease in the amount of profit of the shareholders would be:

[www.lofoya.com]

- (a) 12% (b) 12.5%
(c) 13.5% (d) None of these (b)

- ## A textile manufacturing firm employs 50 looms. It makes fabrics for a branded company. The aggregate sales value of the output of the 50 looms is Rs 5,00,000 and the monthly manufacturing expenses is Rs 1,50,000. Assume that each loom contributes equally to the sales and manufacturing expenses are evenly spread over the number of looms. Monthly establishment charges are Rs 75000. If one loom breaks down and remains idle for one month, the decrease in profit is:

[www.lofoya.com]

- (a) Rs 13,000 (b) Rs 10,000
(c) Rs 7,000 (d) Rs 5,500 (c)

- ## A towel 50 cm broad and 100cm long. When bleached, it was found to have lost 20% of its length and 10% of its breadth. The

percentage of decreases in its area is

[www.competoid.com]

- (a) 28% (b) 20%
(c) 10.08% (d) 10% @@

Answer: 28%

- ## A vendor sells 60 percent of apples he had and throws away 15 percent of the remainder. Next day he sells 50 percent of the remainder and throws away the rest. What percent of his apples does the vendor throw?

[www.lofoya.com]

- (a) 17 (b) 23
(c) 77 (d) None of these (b)

- ## A vessel contains a mixture of milk and water in the respective ratio of 14 : 3. 25.5 litres of the mixture is taken out from the vessel and 2.5 litres of pure water and 5 litres of pure milk is added to the mixture. If the resultant mixture contains 20% water. what was the initial quantity of mixture in the vessel before the replacement ? (in litres)

[www.competoid.com]

- (a) 51 (b) 102
(c) 68 (d) 85 @@

Answer: 68

- ## A village lost 12% of its goats in a flood and 5% of remainder died from diseases. If the number left now is 8360. What was the original number before the flood ?

[www.examveda.com]

- (a) 1000 (b) 10000
(c) 100000 (d) 8360 (b)

- ## A wants to secure an annual income of Rs.1500 by investing in 15% debentures of face value Rs.100 each and available for Rs.104 each. If the brokerage is 1%. then the sum of money he should invest is

[www.competoid.com]

- (a) Rs. 19642 (b) Rs. 10784
(c) Rs. 10504 (d) Rs. 15000 @@

Answer: Rs. 10504

- ## A water pipe is cut into two pieces. The longer piece is 70% of the length of the pipe. By how much percentage is the longer piece longer than the shorter piece?

[www.competoid.com]

- (a) 140% (b) 40034003%
(c) 40% (d) None of these @@

Answer: 40034003%

A worker earns a 5% raise. A year later, the worker receives a 2.5% cut in pay and now his Salary is Rs. 22702.68. What Was his salary to begin with ?

[www.competoid.com]

- (a) Rs. 22000 (b) Rs. 22176
(c) Rs. 25000 (d) Rs. 22193 @@

Answer: Rs. 22176

A worker suffers a 20% cut in his wage. He may regain his original wages by obtaining a rise of how much % ?

[www.competoid.com]

- (a) 27.5% (b) 25.0%
(c) 22.5% (d) 20.0% @@

Answer: 25.0%

Abhay gave 30% of his money to Vijay. Vijay gave $\frac{2}{3}$ rd of what he received to his mother. Vijay's mother gave $\frac{5}{8}$ th of the money she received from Vijay to the grocer. Vijay's mother is now left With Rs. 600. How much money did Abhay have initially ?

[www.competoid.com]

- (a) Rs. 6,200 (b) Rs. 8,000
(c) Rs. 6,000 (d) Rs. 8,200 @@

Answer: Rs. 8,000

After having spent 35% of the money on machinery, 40% on raw material and 10% on staff, a person is left with Rs. 60000. The total amount of money spent on machinery and raw material is

[www.competoid.com]

- (a) Rs. 176000 (b) Rs. 170000
(c) Rs. 300000 (d) Rs. 340000 @@

Answer: Rs. 300000

After offering a discount of 37.5, Pankaj sold the rice at a profit of 25. Had he offered a discount of 41.67, his profit or loss percent would have been:

[www.lofoya.com]

- (a) 16.66% profit (b) 12% loss
(c) 29.17% loss (d) 8.33% profit @

After spending 35%, on machinery, 20% on building, 15% on raw material and 6% on furniture, Mohan had a balance of Rs.1152, total money with him was.

[www.competoid.com]

- (a) Rs.4800 (b) Rs.4600
(c) Rs.3200 (d) Rs.3600 @@

Answer: Rs.4800

After three successive equal percentage rise in the salary the sum of 100 rupees turned into 140 rupees and 49 paise. Find the percentage rise in the salary.

[www.examveda.com]

- (a) 12% (b) 22%
(c) 66% (d) 82%
(e) 77% @

Akash scored 73 marks in subject A. He scored 56% marks in subject B and x marks in subject C. Maximum marks in each subject were 150. The overall percentage marks obtained by Akash in all the three subjects together were 54%. How many marks did he score in subject C?

[www.competoid.com]

- (a) 84 (b) 86
(c) 79 (d) 73 @@

Answer: 86

Amit got 1200 marks in an examination. Jyoti got 84% marks which is 144 marks more than Amit. What is the percentage of marks obtained by Amit ?

[www.competoid.com]

- (a) 75% (b) 70%
(c) 76% (d) 80% @@

Answer: 75%

An alloy contains the copper and aluminum in the ratio of 7 : 4 While making the weapons from this alloy, 12% of the alloy got destroyed. If there is 12 kg of aluminum in the weapon, then weight of the alloy required is :

[www.examveda.com]

- (a) 14.4 kg (b) 37.5 kg
(c) 40 kg (d) 48 kg @

An army lost 10% of its men in war. 10% of the remaining died due to disease and 10% of the rest were declared disabled. Thus the strength of the army was reduced to 729000 active men. The original strength of the army was :

[www.examveda.com; www.competoid.com]

- (a) 1500000 (b) 1000000
(c) 1200000 (d) 1100000 @

An article was bought for Rs. 12850 and its price was marked at 30% above the cost price. It was sold at a discount of 10% on the marked price. What was the profit per cent

on the cost price ?

- (a) 16 % (b) 17 %
(c) 15 % (d) 18% @@

Answer: 17 %

An interview panel found that a candidate has given a wrong detail about his height. While filling up his form he filled up 20% more than his actual height. His actual height is 5 feet 2 inches. By what approximate percent should he reduce his height to get actual height?

- (a) 15% (b) 14%
(c) 18% (d) 17% @@

Answer: 17%

An ore contains 15% copper. To get 75 kg. of copper, the quantity of ore required is

- (a) 750 kg (b) 600 kg
(c) 540 kg (d) 500 kg @@

Answer: 500 kg

An ore contains 25% of an alloy that has 90% iron. Other than this, in the remaining 75% of the ore, there is no iron. How many kilograms of the ore are needed to obtain 60 kg of pure iron?

- (a) 250 kg (b) 275 kg
(c) 300 kg (d) 266.66 kg d

Anurag's annual income is Rs. 6,36,000. He spends 22% of his monthly income on paying bills, 18% on household items, 12% on paying his children's fees and 4% he donates to a charity. If two-fifth of the remaining amount he invests in mutual funds, what is the amount left with him every month ?

- (a) Rs. 17,850 (b) Rs. 12,162
(c) Rs. 9,328 (d) Rs. 13,992 @@

Answer: Rs. 13,992

Aryan got 350 marks and Vidya scored 76% marks in the same test. If Vidya scored 296 marks more than Aryan, then what were the maximum marks of the test?

- (a) 650 (b) 900
(c) 850 (d) 950 @@

Answer: 850

A's marks in Biology are 20 less than 25% of the total marks obtained by him in Biology, Maths and Drawing. If his marks in Drawings be 50, what are his marks in Maths ?

- (a) 40 (b) 45
(c) 50 (d) Cannot be determined d

A's salary is 20% less than B's salary. Then B's salary is more than A's salary by

- (a) $33\frac{1}{2}\%$ (b) $16\frac{2}{3}\%$
(c) 20% (d) 25% @@

Answer: 25%

A's salary is 40% of B's salary and B's salary is 25% more than C's salary then C's salary is how much percentage more than A?

- (a) 50% (b) 100%
(c) 150% (d) 200% @@

Answer: 100%

A's salary is 50% more than that of B. Then B's salary is less than that of A by

- (a) 50% (b) $33\frac{1}{3}\%$
(c) $33\frac{1}{4}\%$ (d) $44\frac{1}{2}\%$ @@

Answer: $33\frac{1}{3}\%$

At a clearance sale, books were sold at 20% reduction. A student purchased a book Rs.120 at the clearance sale. The usual price of the book was

- (a) Rs.120 (b) Rs.13
(c) Rs.140 (d) Rs.150 @@

Answer: Rs.150

At an election there were two candidate got 38% of votes and lost by 7200 votes. The total numbers of valid votes were :

- (a) 13000 (b) 13800
(c) 16200 (d) 30000 d

At the beginning of a year ,the owner of a jewel shop raised the price of all the jewels in his shop by x% and lowered them by x%. The price of one jewel after this up and down cycle reduced by Rs. 100. The owner

carried out the same procedure after a month. After this second up-down cycle, the price of that jewel was Rs. 2304. Find the original price of that jewel (in Rs.)

[www.examveda.com]

- (a) 2500 (b) 2550
(c) 2600 (d) 2650
(e) None of these **a**

At what price should I buy a share, the value of which is Rs.100, paying a dividend of 8%, so that my yield is 11% ?

[www.competoid.com]

- (a) Rs. 70 (b) Rs. 72.72
(c) Rs. 75 (d) Rs. 84 @@

Answer: Rs. 72.72

Australia scored a total of X runs in 50 overs. India tied the scores in 20% less overs. If India's average run rate had been 33.33% higher the scores would have been tied 10 overs earlier. Find how many runs were scored by Australia?

[www.examveda.com]

- (a) 250 (b) 240
(c) 200 (d) 190
(e) Can't be determined **e**

Because of scarcity of rainfall, the price of a land decreases by 12% and its production also decreases by 4%. What is the total effect on revenue?

[www.competoid.com]

- (a) Loss of 16% (b) Gain of 15%
(c) Loss of 15.48% (d) Loss of 15.52% @@

Answer: Loss of 15.52%

Bhavana decided to donate 12% of her monthly salary to an orphanage. On the day of donation she changed her mind and donated Rs. 2,400 which was 125% of that she had decided earlier. How much is Bhavana's salary?

[www.competoid.com]

- (a) Cannot be determined (b) Other than those given as options
(c) Rs. 14,750 (d) Rs. 18,500 @@

Answer: Rs. 18,500

Bhuvnesh spends 30% of his salary on food and donates 3% in a Charitable Trust. He spends Rs. 2,310 on these two items, then total salary for that month is:

[www.competoid.com]

- (a) Rs.6,000 (b) Rs.8,000

- (c) Rs.9,000 (d) Rs.7,000 @@

Answer: Rs.7,000

Bhuvnesh spends 75% of his income and saves the rest. His income is increased by 20% and he increases his expenditure by 10%. Then the increase in savings (in percentage) is:

[www.competoid.com]

- (a) 50% (b) 52%
(c) 45% (d) 48% @@

Answer: 50%

Bovina spent Rs.44,668 on her air tickets Rs. 56,732 on buying gifts for the family members and the remaining 22% of the total amount she had as cash with her. What was the total amount?

[www.competoid.com]

- (a) Rs.28,600 (b) Rs.1,30,000
(c) Rs.1,01,400 (d) Rs.33,800 @@

Answer: Rs.1,30,000

Christy donated 10% of his income to an orphanage and deposited 20% of the remainder in his bank. If he has now Rs. 7200 left, what is his income : [www.examveda.com; www.competoid.com]

- (a) Rs. 10000 (b) Rs. 8000
(c) Rs. 9000 (d) Rs. 8500 **a**

Connie has a number of gold bars, all of different weights. She gives the 24 lightest bars, which weigh 45% of the total weight, to Brennan. She gives the 13 heaviest bars, which weigh 26% of the total weight, to Maya. She gives the rest of the bars to Blair. How many bars did Blair receive?

[www.examveda.com]

- (a) 14 (b) 15
(c) 16 (d) 17
(e) 18 **b**

Dinesh's monthly income is four times Suresh's monthly income. Suresh's monthly income is twenty percent more than Jyoti's monthly income. Jyoti's monthly income is Rs.22,000. What is Dinesh's monthly income ?

[www.competoid.com]

- (a) Rs.1,06,500 (b) Rs.1,05,600
(c) Rs.1,04,500 (d) Rs.1,05,400 @@

Answer: Rs.1,05,600

Distance between A and B is 72 km. Two men started walking from A and B at the

same time towards each other. The person who started from A traveled uniformly with average speed of 4 km/hr. The other man traveled with varying speed as follows: In the first hour his speed 2 km/hr, in the second hour it was 2.5 km/hr, in the third hour it was 3 km/hr, and so on. When / where will they meet each other?

[www.examveda.com]

- (a) 7 hours after starting (b) 10 hours after starting
(c) 35 km from A (d) Mid-way between A and B
(e) Can't be determined **(d)**

Due to a 25% increase in the price of rice per kilogram, a person is able to purchase 20 kg less for Rs.400. What is the increased price of rice per kilogram?

[www.competoid.com]

- (a) Rs.5 (b) Rs.6
(c) Rs.10 (d) Rs.4 @@

Answer: Rs.5

Due to an increase of 50% in the price of eggs, 4 eggs less are available for Rs.24. The present rate of eggs per dozen is :

[www.competoid.com]

- (a) Rs.24 (b) Rs.27
(c) Rs.36 (d) Rs.42 @@

Answer: Rs.36

Each person in a group of 110 investors has investments in either equities or securities or both. Exactly 25 of the investors in equities have investments in securities, and exactly 40 of the investors in securities have investments in equities. How many have investments in equities?

[www.lofoya.com]

- (a) 60 (b) 80
(c) 70 (d) 90 **(b)**

Every day a mango seller sells half his stock, 10% of the stock overnight gets spoiled. If 1983 mangoes rotted over 3 nights then how many did he start with on the first day ?

[www.examveda.com]

- (a) 25,000 (b) 24,000
(c) 30,000 (d) 32,000
(e) None of these **(b)**

Every month a man consumes 25 kg rice and 9 kg wheat. The price of rice is 20% of the price of wheat and thus he spends total Rs.

350 on the rice and wheat per month. If the price of wheat is increased by 20% then what is the percentage reduction of rice consumption for the same expenditure of Rs. 350? Given that the price of rice and consumption of wheat is constant :

[www.examveda.com]

- (a) 40% (b) 25%
(c) 36% (d) 24%
(e) Cannot be determined **(c)**

Find the : $(550\% \text{ of } 250) \div 275 = ?$

[www.examveda.com]

- (a) 15 (b) 0.5
(c) 1.5 (d) 25
(e) None of these **(e)**

Find the : 38% of 341 = ?

[www.examveda.com]

- (a) 120.68 (b) 129.58
(c) 135.78 (d) 136.28
(e) None of these **(b)**

Find the 92.5% of 550 = ?

[www.examveda.com]

- (a) 506.45 (b) 508.75
(c) 518.55 (d) 521.65
(e) None of these **(b)**

Find the missing value : $35568 \div ? \text{ of } 650 = 456$

[www.examveda.com]

- (a) 12 (b) 14
(c) 16 (d) 18
(e) None of these **(a)**

Find the number : $125\% \text{ of } 3060 - 85\% \text{ of } (?) = 408$

[www.examveda.com]

- (a) 3890 (b) 3940
(c) 4015 (d) 4020
(e) None of these **(d)**

Find the number : $85\% \text{ of } 420 + ?\% \text{ of } 1080 = 735$

[www.examveda.com]

- (a) 25 (b) 30
(c) 35 (d) 40 **(c)**

Find the value : $3.2\% \text{ of } 500 \times 2.4\% \text{ of } ? = 288$

[www.examveda.com]

- (a) 600 (b) 650
(c) 700 (d) 750 **(d)**

Find $\frac{100}{3}\%$ of 600

[www.examveda.com]

- (a) 100 (b) 150
(c) 200 (d) 225

First and second numbers are less than a third number by 20% and 40% respectively. The second number is less than the first by:

[www.competoid.com]

- (a) 7% (b) 4%
(c) 3% (d) 25%

Answer: 25%

Five-ninth of a number is equal to twenty five percent of second number. Second number is equal to one-fourth of third number. The value of third number is 2960. What is 30 percent of first number?

[www.competoid.com]

- (a) 88.8 (b) 99.9
(c) 66.6 (d) Cannot be determined

Answer: 99.9

For an examination it is required to get 36% of maximum marks to pass. A student got 113 marks and failed by 85 marks. The maximum marks for the examination are:

[www.examveda.com]

- (a) 500 (b) 550
(c) 565 (d) 620

Forty percent of the employees of a company are men, and 75 percent of the men earn more than Rs.25,000 per year. If 45 percent of the company's employees earn more than Rs.25,000 per year, what fraction of the women employed by the company earn Rs.25,000 per year or less?

[www.lofoya.com]

- (a) $\frac{2}{11}$ (b) $\frac{1}{4}$
(c) $\frac{1}{3}$ (d) $\frac{3}{4}$

Fresh grapes contain 80% water by weight, whereas dried grapes contain 15% water by weight. How many kg of dried grapes can be obtained from 3.4 kg of fresh grapes ?

[www.competoid.com]

- (a) 0.51 kg (b) 0.6 kg
(c) 0.68 kg (d) 0.8 kg

Answer: 0.8 kg

Fresh grapes contain 80% water, While dry grapes contain 10% water. If the weight of dry grapes is 500 kg, then what is its total

weight when it is fresh?

[www.competoid.com]

- (a) 2350 kg (b) 2085 kg
(c) 2255 kg (d) 2250 kg

@@

Answer: 2250 kg

From 1980-1990, the population of a country was increased by 20%. From 1990-2000, the population of the country was increased by 20%. From 2000-2010, the population of the country was increased by 20%. Population (in percentage) of the country from 1980-2010 was increase by

[www.competoid.com]

- (a) 72.2% (b) 72.8%
(c) 60% (d) 62.8%

@@

Answer: 72.8%

From 2000 onwards, till 2003 the price of computers increased every year by 10%. After that due to government subsidy the price of computers decreases every year by 10%. The price of a computer in 2006 will be approx. how much per cent less than the price in 2000 if the same pattern of price is continued :

[www.examveda.com]

- (a) 2 (b) 3
(c) 4 (d) 5

b

From 2008 to 2009, the sales of a book decreased by 80%. If the sales in 2010 was the same as in 2008, by what per cent did it increase from 2009 to 2010?

[www.competoid.com]

- (a) 80% (b) 100%
(c) 120% (d) 400%

@@

Answer: 400%

From a vessel containing 'X' litres of milk, 20% of milk was taken out and replaced with equal amount of water. Again, 20% of the mixture of milk and water was taken out and replaced with equal amount of water. This process was continued similarly for the third time and the quantity of milk left in the vessel after the third replacement was 71.68 litres. What was the initial quantity of milk (in litres) in the vessel (value of x) ?

[www.competoid.com]

- (a) 120 (b) 125
(c) 160 (d) 140

@@

Answer: 140

18

PHENOM PUBLICATIONS

From the salary of an officer, 10% is deducted as house rent, 20% of the rest, he spends on conveyance, 20% of the rest he pays as income tax and 10% of the balance, he spends on clothes. Then, he is left with Rs. 15552. Find his total salary.

[www.examveda.com]

- (a) Rs. 25000 (b) Rs. 30000
(c) Rs. 35000 (d) Rs. 40000

Gaurav spent Rs. 38460 on the renovation of his home, Rs. 24468 on buying home theatre and the remaining 28% of the total amount he had as cash with him. What was the total amount?

[www.competoid.com]

- (a) Cannot be determined
(b) Rs. 76,500
(c) Other than those given as options
(d) Rs. 87,400

@@

Answer: Rs. 87,400

Given A is 50% larger than C and B is 25% larger than C, then A is what percent larger than B?

[www.competoid.com]

- (a) 25% (b) 50%
(c) 75% (d) 20%

@@

Answer: 20%

Given that, 10% of A's income = 15% of B's income = 20% of C's income. If sum of their incomes is Rs. 7800, then B's income is:

[www.competoid.com]

- (a) Rs.3600 (b) Rs.3000
(c) Rs.2400 (d) Rs.1800

@@

Answer: Rs.2400

Half percent, written as a decimal, is

[www.examveda.com]

- (a) 0.2 (b) 0.02
(c) 0.005 (d) 0.05

C

Heinz produces tomato puree by boiling tomato juice. Tomato puree has 20% water whereas tomato juice has 90% water. How many litres of tomato puree will be obtained from 20 litres of tomato juice?

[www.examveda.com]

- (a) 2 litres (b) 3 litres
(c) 2.5 litres (d) 5 litres

C

How many $\frac{1}{64}$ th are there in $37\frac{1}{2}$?

[www.competoid.com]

- (a) 300 (b) 400

(c) 500

(d) None of these. @@

Answer: 300

How much $66\frac{2}{3}\%$ of Rs. 312 exceeds Rs. 200?

[www.examveda.com]

- (a) Rs. 96 (b) Rs. 4
(c) Rs. 8 (d) Rs. 104

C

If $\left(\frac{x+y}{x-y} = \frac{4}{3}\right)$ and $x \neq 0$ then what percentage (to the nearest integer) of $x + 3y$ is $x - 3y$?

[www.lofoya.com]

- (a) 20% (b) 25%
(c) 30% (d) 40%

D

If "basis points" are defined so that 1 percent is equal to 100 basis points, then by how many basis points is 82.5 percent greater than 62.5 percent.

[www.competoid.com]

- (a) 0.2 (b) 20
(c) 200 (d) 2000

@@

Answer: 2000

If 10% of m is the same as 20% of n, then m : n is equal to:

[www.competoid.com]

- (a) 2 : 1 (b) 1 : 2
(c) 1 : 10 (d) 1 : 20

@@

Answer: 2 : 1

If 120 is 20% of a number, then 120% of that number will be:

[www.examveda.com];

- (a) 20 (b) 120
(c) 480 (d) 720

D

If 120% of a is equal to 80% of b, then $\frac{b+a}{b-a}$ is equal to

[www.competoid.com]

- (a) 5 (b) 6
(c) 7 (d) 8

@@

Answer: 5

If 125% of x is 100, then x is:

[www.competoid.com]

- (a) 80 (b) 180
(c) 400 (d) 125

@@

Answer: 80

If 15% of $(A + B) = 25\%$ of $(A - B)$, then what percent of B equal to A?

[www.examveda.com];

- (a) 10% (b) 60%
(c) 200% (d) 400%

D

If 15% of 40 is greater than 25% of a number by 2, then the number is

[www.competoid.com]

- (a) 16 (b) 20
(c) 24 (d) 32

@@

Answer: 16

If 15% of A is equal to 20% of B, then 25% of A is equal to what per cent of B?

[www.competoid.com]

- (a) 30% (b) $33\frac{1}{3}\%$
(c) 35% (d) 25%

@@

Answer: $33\frac{1}{3}\%$

If 20% of $(A + B) = 50\%$ of B, then value of $\frac{2A - B}{2A + B}$ is

[www.competoid.com]

- (a) $\frac{1}{2}$ (b) $\frac{1}{3}$
(c) $\frac{1}{4}$ (d) 1

@@

Answer: $\frac{1}{2}$

If 20% of A = 30% of B = $\frac{1}{6}$ of C, then A : B : C is:

[www.competoid.com]

- (a) 2 : 3 : 1 (b) 3 : 2 : 16
(c) 10 : 15 : 18 (d) 15 : 10 : 18

@@

Answer: 15 : 10 : 18

If 20% of A = 50% of B, then what percent of A is B?

[www.competoid.com]

- (a) 30% (b) 40%
(c) 25% (d) 15%

@@

Answer: 40%

If 20% of a number is 12, the number is:

[www.competoid.com]

- (a) 40 (b) 54
(c) 60 (d) 48

@@

Answer: 60

If 20% of x = 90, find x.

[www.competoid.com]

- (a) 350 (b) 450
(c) 250 (d) 550

@@

Answer: 450

If 20% of a = b, then b% of 20 is the same as:

[www.indiabix.com]

- (a) 4% of a (b) 5% of a
(c) 20% of a (d) None of these

a

If 24-carat gold is considered to be hundred per cent pure gold, then the percentage of pure gold in 22-carat gold is :

[www.competoid.com]

- (a) $91\frac{3}{4}\%$ (b) $91\frac{2}{3}\%$
(c) $91\frac{1}{3}\%$ (d) $90\frac{2}{3}\%$

@@

Answer: $91\frac{2}{3}\%$

If 30% of $(x - y) = 20\%$ of $(x + y)$, then what percent of x is y?

[www.competoid.com]

- (a) 25% (b) 20%
(c) 30% (d) 24%

@@

Answer: 20%

If 30% of A = 0.25 of B = $\frac{1}{5}$ of C, then A : B : C is equal to:

[www.competoid.com]

- (a) 5 : 6 : 4 (b) 5 : 24 : 5
(c) 6 : 5 : 4 (d) 10 : 12 : 15

@@

Answer: 10 : 12 : 15

If 30% of A is added to 40% of B, the answer is 80% of B. What percentage of A is B?

[www.examveda.com; www.competoid.com]

- (a) 30% (b) 40%
(c) 70% (d) 75%

d

If 35% of A's income is equal to 25% of B's income, then the ratio of A's income to B's income is :

[www.examveda.com]

- (a) 7 : 5 (b) 5 : 7
(c) 4 : 7 (d) 4 : 3

b

If 50% of $(P - Q) = 30\%$ of $(P + Q)$ and $Q = x\%$ of P, then the value of x is :

[www.examveda.com; www.competoid.com]

- (a) 30 (b) 25
(c) 20 (d) 50

b

If 50% of the 2 : 3 solution of milk and water is replaced with water, then the concentration of the solution is reduced by

[www.competoid.com]

- (a) 25 % (b) 33.33 %
(c) 50 % (d) 75 %

@@

Answer: 50 %

If 50% of x equals the sum of y and 20, then what is the value of $x - 2y$?

[www.lofoya.com]

- (a) 20 (b) 40

- ## If 60% of A = 30% of B, B = 40% of C and C = x% of A, then value of x is :

(c) 60 (d) 80 (b)
[www.examveda.com]
(a) 800% (b) 200%
(c) 300% (d) 500% (d)

- ## If 60% of A = $\frac{3}{4}$ of B, then A : B is

(a) 9 : 20 (b) 20 : 9
(c) 4 : 5 (d) 5 : 4 @@
[www.competoid.com]

Answer: 5 : 4

- ## If 60% of A =

(a) 9 : 20 (b) 20 : 9
(c) 4 : 5 (d) 5 : 4 (d)
[www.examveda.com]

- ## If 60% of A's income is equal to 75% of B's income, then B's income is equal to x% of A's income. The value of x is :

(a) 9 : 20 (b) 20 : 9
(c) 4 : 5 (d) 5 : 4 (d)
[www.examveda.com]

- ## If 75% of the students in a school are boys and the number of girls is 420, the number of boys is:

(a) 70 (b) 60
(c) 80 (d) 90 (c)
[www.examveda.com]

- ## If 8% of x is the same as 4% of y, then 20% of x is the same as :

(a) 10% of y (b) 16% of y
(c) 80% of y (d) 50% of y @@
[www.competoid.com]

Answer: 10% of y

- ## If 80% of A = 50% of B and B = x% of A, then the value of x is :

(a) 400 (b) 300
(c) 160 (d) 150 (c)
[www.examveda.com]; [www.competoid.com]

- ## If 80% of a number added to 80 gives the result as the number is

(a) 200 (b) 300
(c) 400 (d) 500 @@
[www.competoid.com]

Answer: 400

- ## If 90% of A = 30% of B and B = 2x% of A, then the value of x is :

(a) 450 (b) 400
(c) 300 (d) 150 (d)
[www.examveda.com]; [www.competoid.com]

- ## If 90% of A = 30% of B and B = x% of A, then the value of x is

(a) 800 (b) 300
(c) 700 (d) 400 @@
[www.competoid.com]

Answer: 300

- ## If 97% of students were present in a school and 18 students were absent, then total number of student on the school is

(a) 400 (b) 450
(c) 500 (d) 600 @@
[www.competoid.com]

Answer: 600

- ## If a 36 inches long strip cloth shrinks to 33 inches after being washed, how many inches long will the same strip remain after washing if it were 48 inches long?

(a) 47 inches (b) 44 inches
(c) 45 inches (d) 46 inches (b)
[www.examveda.com]

- ## If A exceeds B by 60% and B is less than C by 20%, then A : C is

(a) 32 : 25 (b) 25 : 32
(c) 8 : 5 (d) 4 : 5 @@
[www.competoid.com]

- ## If A is equal to 20% of B and B is equal to 25% of C. Then what percentage of C equal to A ?

(a) 10% (b) 15%
(c) 5% (d) 20% (c)
[www.examveda.com]

- ## If a man receives on one-fourth of his capital 3% interest, on two third 5% and one the remaining 11%, the percentage interest he receives on the whole is :

(a) 4.5% (b) 5%
(c) 5.5% (d) 5.2% (b)
[www.examveda.com]; [www.competoid.com]

- ## If a number is increased by 20% and the resulting number is again increased by 20%, what percent is the total increase:

(a) 48% (b) 44%
(c) 41% (d) 40% @@
[www.competoid.com]

Answer: 44%

- ## If a number is increased by 25% and the resulting number is decreased by 25%, then the percentage increase or decrease finally is :

[www.examveda.com]; [www.competoid.com]

- (a) No change (b) Decreased by $6\frac{1}{4}\%$

- (c) Increased by $6\frac{1}{4}\%$ (d) Increased by 6% **(b)**

If a person spends 40% of his income on food, 20% on house rent and 70% of the remaining on children's education, then the percentage of his income left is

[www.competoid.com]

- (a) 6% (b) 8%
(c) 10% (d) 12%

@@

Answer: 12%

If A's income is $\frac{5}{6}$ th of B's income, then B's income is more than A's income by

[www.competoid.com]

- (a) $\frac{25}{2}\%$ (b) 15%
(c) 20% (d) 25%

@@

Answer: 20%

If A's salary is 25% more than B's salary, then B's salary is how much lower than A's salary?

[www.examveda.com]

- (a) $33\frac{1}{3}\%$ (b) 25%
(c) 20% (d) $16\frac{2}{3}\%$ **(c)**

If b equals 10% of a and c equals 20% of b, then which one of the following equals 30% of c?

[www.lofoya.com]

- (a) 0.006% of a (b) 0.006% of a
(c) 0.06% of a (d) 0.6% of a **(d)**

If 'basis points' are defined so that 1 percent is equal to 100 basis points, then by how many basis points is 82.5 percent greater than 62.5 percent.1

[www.examveda.com]

- (a) 0.2 (b) 20
(c) 200 (d) 2000 **(d)**

If each side of a cube is increased by 10% the volume of the cube will increase by:

[www.competoid.com]

- (a) 40% (b) 30%
(c) 33.1% (d) 25%

@@

Answer: 33.1%

If income of Vandana is 25% more than that of Aarti, then income of Aarti is how much

per cent less than that of Vandana?

[www.competoid.com]

- (a) 18% (b) 21%
(c) 20% (d) 24%

@@

Answer: 20%

If increasing 20 by P percentage gives the same result as decreasing 60 by P percentage, what is P percentage of 70?

[www.competoid.com]

- (a) 50 (b) 140
(c) 14 (d) 35

@@

Answer: 35

If length and breadth of a rectangle became half and double respectively, then what will be the resultant area?

[www.competoid.com]

- (a) 25% (b) 55%
(c) 75% (d) 0

@@

Answer: 0

If Nita's salary is 25 percent more than Papiya's salary, then the percentage by which Papiya's salary is less than Nita's salary is:

[www.competoid.com]

- (a) 15% (b) 20%
(c) 25% (d) 32%

@@

Answer: 20%

If price of a book is first decreased by 25% and then increased by 20%, the net change in the price of the book will be:

[www.competoid.com]

- (a) 10% decrease (b) 5% decrease
(c) no change (d) 5% increase

@@

Answer: 10% decrease

If price of kerosene be raised by 10%, then how much percent a house holder must reduce his consumption of kerosene so as not to increase his expenditure?

[www.competoid.com]

- (a) 28% (b) 9.09%
(c) 9.00% (d) 8.25%

@@

Answer: 9.09%

If price of sugar be raised by 10%. How much percent a house holder must reduce his consumption of sugar so as not to increase his expenditure?

[www.competoid.com]

- (a) 28% (b) 9.09%
(c) 9.00% (d) 8.25%

@@

Answer: 9.09%

If radius of a circle is increased by 100%, then area of the circle will be increased by

[www.competoid.com]

- (a) 200% (b) 100%
(c) 300% (d) 400% @@

Answer: 300%

If radius of a circle is increased by 5%, then the increase in its area is :

[www.examveda.com; www.competoid.com]

- (a) 10.25% (b) 5.75%
(c) 10% (d) 5% **a**

If radius of the base and height of a right circular cylinder are each increased by 20%, Then volume of the cylinder will increase by

[www.competoid.com]

- (a) 40% (b) 60%
(c) 72.80% (d) 96% @@

Answer: 72.80%

If Rajdhani is $16\frac{2}{3}\%$ slower than shatabdi, then shatabdi is faster than Rajdhani by:

[www.competoid.com]

- (a) 20% (b) 25%
(c) 30% (d) 33% @@

Answer: 20%

If Rs. 2800 is $\frac{2}{7}$ percent of the value of a house, the worth of the house (in Rs.) is :

[www.examveda.com]

- (a) 800000 (b) 980000
(c) 1000000 (d) 1200000 **b**

If side of an equilateral triangle are increased by 20%, then area of the triangle will be increased by

[www.competoid.com]

- (a) 40% (b) 44%
(c) 60% (d) 140% @@

Answer: 44%

If sides of a square is increased by 100%, then area of the square will be increased by

[www.competoid.com]

- (a) 400% (b) 300%
(c) 600% (d) 800% @@

Answer: 300%

If sides of a square is increased by 200%, then area of the square will be increased by

[www.competoid.com]

- (a) 400% (b) 300%
(c) 600% (d) 800% @@

Answer: 800%

If tax on a commodity is reduced by 10%, total revenue remains unchanged. What is the percentage increase in its consumption?

[www.competoid.com]

- (a) $11\frac{1}{9}$ (b) 20 %
(c) 10 % (d) $9\frac{1}{11}$ @@

Answer: 1191119

If the diameter of a circle is increased by 100% its area is increased by

[www.competoid.com]

- (a) 1 (b) 3
(c) 2 (d) None of these. @@

Answer: 3

If the duty on an article is reduced by 40% of his present rate by how much percent must its consumption increase in order that the revenue remains unaltered ?

[www.examveda.com; www.competoid.com]

- (a) 60% (b) $62\frac{1}{3}\%$
(c) 72% (d) $66\frac{2}{3}\%$ **d**

If the height of a cylinder is increased by 15% and the radius of its base is decreased by 10% then the percentage change in its curved surface area is :

[www.examveda.com; www.competoid.com]

- (a) 2.5% increased (b) 3.5% increased
(c) 2.5% decreased (d) 3.5% decreased **b**

If the income tax is increased by 19%, the net income is reduced by 1%. The rate of income tax is:

[www.competoid.com]

- (a) 6% (b) 4%
(c) 5% (d) 7.2% @@

Answer: 5%

If the numerator of a fraction increased by 200% and the denominator of the fraction is increased by 150% the resultant fraction is $\frac{9}{35}$. What is the original fraction?

[www.competoid.com]

- (a) $\frac{3}{10}$ (b) $\frac{2}{15}$
(c) $\frac{3}{14}$ (d) $\frac{2}{7}$ @@

Answer: 314314

If the population in a place increases by 1% in the first year and 2% in the second year the total percentage increase is

[www.competoid.com]

- (a) 2 (b) 3
(c) 3.02 (d) None of these @@

Answer: 3.02

If the population of a town is 64000 and its annual increase is 10%, then its population at the end of 3 years will be :

[www.examveda.com; www.competoid.com]

- (a) 80000 (b) 85184
(c) 85000 (d) 85100 b

If the price of a book is first decreased by 25% and then increased by 20%, then the net charges in the price will be :

[www.examveda.com]

- (a) No change (b) 5% increase
(c) 5% decrease (d) 10% decrease d

If the price of rice be increased by 38% then by how much per cent should its consumption be reduced so that expenditure does not increase ?

[www.competoid.com]

- (a) 27.5 (b) 30
(c) 32 (d) 36 @@

Answer: 27.5

If the price of tea falls down by 6%, by how much per cent must a householder increase its consumption, so as not to decrease expenditure?

[www.competoid.com]

- (a) $5\frac{16}{47}\%$ (b) $4\frac{18}{67}\%$
(c) $6\frac{18}{47}\%$ (d) $6\frac{17}{47}\%$ @@

Answer: $6\frac{18}{47}\%$

If the price of the commodity is increased by 50% by what fraction must its consumption be reduced so as to keep the same expenditure on its consumption?

[www.examveda.com]

- (a) $\frac{1}{4}$ (b) $\frac{1}{3}$
(c) $\frac{1}{2}$ (d) $\frac{2}{3}$ b

If the sales tax on a television set increases from $7\frac{1}{2}\%$ to 8%, what more amount will have to be paid for the television whose price

(excluding sales taxes) is Rs.19000?

[www.competoid.com]

- (a) Rs.190 (b) Rs.95
(c) Rs.180 (d) Rs.90 @@

Answer: Rs.95

If the total monthly income of 16 persons is Rs. 80800 and the income of one of them is 120% of the average income, then his income is :

[www.examveda.com; www.competoid.com]

- (a) Rs. 5050 (b) Rs. 6060
(c) Rs. 6160 (d) Rs. 6600 b

If three-fifth of sixty percent of a number is 36, the number is :

[www.examveda.com; www.competoid.com]

- (a) 100 (b) 80
(c) 75 (d) 90 a

If two numbers are respectively 30% and 40% more than a third number, what percent is the first of the second?

[www.examveda.com]

- (a) $92\frac{6}{7}\%$ (b) $84\frac{4}{5}\%$
(c) 80% (d) 75% a

If x 80% of y, then what percent of 2x is y ?

[www.examveda.com]

- (a) 40% (b) $62\frac{1}{2}\%$
(c) $66\frac{2}{3}\%$ (d) 80% b

If X is 20% less then Y, then find the value of $\frac{Y-X}{Y}$ and $\frac{X}{X-Y}$:

[www.examveda.com; www.competoid.com]

- (a) $\frac{1}{5}, -4$ (b) $5, \frac{1}{4}$
(c) $\frac{2}{5}, -\frac{5}{2}$ (d) $\frac{3}{5}, -\frac{3}{5}$ a

If x is 80% of y, what percent of x is y?

[www.competoid.com]

- (a) 75% (b) 80%
(c) 100% (d) 125% @@

Answer: 125%

If x is less than y by 25% then y exceeds x by :

[www.competoid.com]

- (a) $33\frac{1}{3}\%$ (b) 25%25%
(c) 75%75% (d) $66\frac{2}{3}\%$ @@

Answer: 3313%3313%

If x% of y is y% of (?)

[www.examveda.com]

- (a) x (b) 100x
(c) $\frac{x}{100}$ (d) $\frac{y}{100}$

a

If x% of $\frac{25}{2}$ is 150, then the value of x is:

[www.competoid.com]

- (a) 1000 (b) 1200
(c) 1400 (d) 1500

@@

Answer: 1200

If y% of one hour is, 1 minute 12 seconds, then y is equal to :

[www.examveda.com];

[www.competoid.com]

- (a) 2 (b) 1
(c) $\frac{1}{2}$ (d) $\frac{1}{4}$

a

In 2 kg mixture of copper and aluminium, 30% is copper. How much aluminium powder should be added to the mixture so that the quantity of copper becomes 20% ?

[www.examveda.com; www.competoid.com]

- (a) 900 gms (b) 800 gms
(c) 1000 gms (d) 1200 gms

c

In 2000, the market shares of the toilet soaps Margo, Palmolive and dove were 40%, 30% and 30% respectively. Starting from the next year, a new soap enters into the market each year and gets 10% of the market share. The existing soap share the remaining market share in the same ratio as they did in the previous year. What percent of the total market share will mango have in 2002?

[www.examveda.com]

- (a) 28% (b) 32%
(c) 32.4% (d) 34%
(e) None of these

c

In a 120 litre mixture of milk and water, water is only 25%. The milkman sold 20 litres of this mixture and then he added 16.2 litres of pure milk and 3.8 litres of pure water in the remaining mixture. What is the percentage of water in the final mixture?

[www.competoid.com]

- (a) 22 (b) 21
(c) 24 (d) 25

@@

Answer: 24

In a 140 litres of mixture of milk and water, percentage of water is only 30%. The

milkman gave 20 litres of this mixture to a customer. Then he added equal quantities of pure milk and water to the remaining mixture. As a result the respective ratio of milk and water in the mixture became 2 : 1. What was the quantity of milk added ?(in litres)

[www.competoid.com]

- (a) 12 (b) 16
(c) 18 (d) 8

@@

Answer: 12

In a class 60% of the students pass in Hindi and 45% pass in Sanskrit. If 25% of them pass in both subjects, what percentage of the students fail in both the subjects ?

[www.competoid.com]

- (a) 80% (b) 75%
(c) 20% (d) 25%

@@

Answer: 20%

In a class of 240 students, each student got sweets that are 15% of the total number of students. How many sweets were there ?

[www.competoid.com]

- (a) 3000 (b) 3125
(c) 8640 (d) Cannot be determined

@@

Answer: 8640

In a class of 35 students and 6 teachers. each student got sweets that are 20% of the total number of students and each teacher got sweets that are 4000 of the total number of students. How many sweets were there ?

[www.competoid.com]

- (a) 245 (b) 161
(c) 406 (d) None of these

@@

Answer: None of these

In a class of 40 students and 5 teachers, each student got sweets that are 15% of the total number of students and each teacher got sweets that are 20% of the total number of students. How many sweets were there?

[www.competoid.com]

- (a) 280 (b) 240
(c) 320 (d) 360

@@

Answer: 280

In a class of 80 students and 5 teachers, each student got sweets that are 15% of the total number of students and each teacher got sweets. that are 25% of the total number of

students. How many sweets were there?

[www.competoid.com]

- (a) 1050
- (b) 1060
- (c) Other than those given as options
- (d) 1040

@@

Answer: 1060

In a class, the average score of girls in an examination is 73 and that of boys is 71. The average score for the whole class is 71.8. Find the percentage of girls.

[www.competoid.com]

- (a) 40%
- (b) 50%
- (c) 55%
- (d) 60%

@@

Answer: 40%

In a class, the no. of boys is more than the no. of girls by 12% of the total strength. The ratio of boys and girls is:

[www.examveda.com]

- (a) 15 : 11
- (b) 11 : 14
- (c) 14 : 11
- (d) 8 : 11

C

In a class-X of 30 students, 24 passed in first class; in another class Y of 35 students, 28 passed in first class. In which class was the percentage of students first class more?

[www.competoid.com]

- (a) Class X has more percentage of students getting first class
- (b) Class Y has more percentage of students getting first class
- (c) Both classes have equal percentage of students getting first class
- (d) None of the above

@@

Answer: (c) Both classes have equal percentage of students getting first class

In a college, 40% of the students were allotted group A, 75% of the remaining were given group B and the remaining 12 students were given group C. Then the number of students who applied for the group is :

[www.examveda.com; www.competoid.com]

- (a) 100
- (b) 60
- (c) 80
- (d) 92

C

In a company YYIZ the respective ratio between the total number of under-graduate employees and the total number of graduate employees is 13 : 23. The Company has only two branches. one. in umbai and other in Delhi. if the total number of under-graduate employees in Mumbai branch is 351, which

is 3090 of the total undergraduate employees in the company. what is the total number of graduate employees in the company?

[www.competoid.com]

- (a) 2185
- (b) 1955
- (c) 2070
- (d) 2691

@@

Answer: 2691

In a company, there are 724 employees. 25% employees left the job. Find the number of rest of employees.

[www.competoid.com]

- (a) 543
- (b) 550
- (c) 578
- (d) 565

@@

Answer: 543

In a competitive test, Raman got 25 marks more than Rohit. Rohit got 45 marks less than Sonia. Rohan got 75 marks which is 10 marks more than that of Sonia. Ravi got 50 marks less than the maximum marks of the test. If Ravi got 25 marks more than that of Raman, what is the approximate percentage of marks obtained by Ravi in the test ?

[www.competoid.com]

- (a) 56%
- (b) 58%
- (c) 60%
- (d) 65%

@@

Answer: 58%

In a factory 60% of the workers are above 30 years and of these 75% are male and the rest are females. If there are 1350 male workers above 30 years, the total number of workers in the factory is :

[www.examveda.com; www.competoid.com]

- (a) 3000
- (b) 2000
- (c) 1800
- (d) 1500

a

In a factory there are three types of machine M1, M2 and M3 which produces 25%, 35% and 40% of the total products respectively. M1, M2 and M3 produces 2%, 4% and 5% defective products, respectively. what is the percentage of non-defective products ?

[www.examveda.com]

- (a) 89%
- (b) 97.1%
- (c) 96.1%
- (d) 86.1%
- (e) None of these

C

In a group of students, 70% can speak English and 65% can speak Hindi. If 27% of the students can speak none of the the two languages, then what percent of the group can speak both the languages ?

[www.competoid.com]

- (a) 38% (b) 62%
(c) 28% (d) 23%

@@

Answer: 62%

In a library 60% of the books are in Hindi, 60% of the remaining books are in English rest of the books are in Urdu. If there are 3600 books in English, then total no. of books in Urdu are:

[www.examveda.com]

- (a) 2400 (b) 2500
(c) 3000 (d) 3200

a

In a library, 20% of the books are in Hindi. 50% of the remaining are in English and 30% of the remaining are in French. The remaining 6,300 books are in regional languages. What is the total number of books in library?

[www.lofoya.com]

- (a) 19,500 (b) 20,500
(c) 21,500 (d) 22,500

d

In a Lok Sabha Speaker election, a candidate who got 40% of total votes was defeated by his rival by 80 votes. The total number of votes polled was

[www.competoid.com]

- (a) 450 (b) 400
(c) 350 (d) 300

@@

Answer: 400

In a mathematics examination, the average score of students who passed is x and those who failed is y . If the average score of all the students who appeared in the examination is z , then the percentage of students who failed was

[www.competoid.com]

- (a) $\frac{100xy}{x^2}$ (b) $\frac{100(y-z)}{x-y}$
(c) $\frac{100(x-y)}{x-z}$ (d) $\frac{100(x-z)}{x-y}$

@@

Answer: $100(x-z)x-y100(x-z)x-y$

In a metro train there are 600 passengers out of which 34% are females. Fare of each male is Rs. 20 and each female's fare is 25% less than each male. What is the total revenue generated by all the passengers together?

[www.examveda.com]

- (a) Rs. 10880 (b) Rs. 10980
(c) Rs. 10740 (d) Rs. 10680

b

In a mixture there is 15% of salt. When 30 liter of water is evaporated, salt becomes

20% of mixture. Find the initial quantity of mixture.

[www.examveda.com]

- (a) 120 liters (b) 110 liters
(c) 125 liters (d) 115 liters

a

In a motor of 120 machine parts, 5% parts were defective. In another motor of 80 machine parts, 10% parts were defective. For the two motors considered together, the percentage of defective machine parts were

[www.competoid.com]

- (a) 7 (b) 6.5
(c) 7.5 (d) 8

@@

Answer: 7

In a particular constituency, 75% of voters cast their votes, out of which 2% were rejected. The winning candidate received 75% of the valid votes and bagged a total of 9261 votes. The total number of voters in the constituency is

[www.competoid.com]

- (a) 14500 (b) 18900
(c) 16800 (d) 24000

@@

Answer: 16800

In a period from January to March, Jamshedpur Electronics sold 3150 units of Television, having started with a beginning inventory of 2520 units and ending with an inventory of 2880. What was the value of order placed (Rupees in thousands) by Jamshedpur Electronics during the three months period? [Profits are 25 of cost price, uniformly.]

[www.lofoya.com]

- (a) 26325 (b) 22320
(c) 25200 (d) 28080

d

In a school 40% of the students play football and 50% play cricket. If 18% of the students neither play football nor cricket, the percentage of the students playing both is :

[www.competoid.com]

- (a) 40% (b) 32%
(c) 22% (d) 8%

@@

Answer: 8%

In a school 70% of the students are girls. The number of boys are 510. Then the total number of students in the school is :

[www.competoid.com]

- (a) 850 (b) 1700
(c) 1830 (d) 1900

@@

Answer: 1700

In a school examination a candidate who secures 30% of the max. marks fails by 24 marks, and another candidate who secures 35% of the maximum marks gets 16 marks more than minimum pass marks. The maximum marks are

[www.competoid.com]

- (a) 800 (b) 700
(c) 900 (d) 400

@@

Answer: 800

In a school examination, 37% students fail in English, 20% fail in Maths and 6% fail in both. If 490 students pass, find how many appeared?

[www.competoid.com]

- (a) 800 (b) 1000
(c) 1200 (d) 900

@@

Answer: 1000

In a school there are 2000 students out of whom 36 per cent are girls. Each boy's monthly fee is Rs. 480 and each girl's monthly fee is 25 per cent less than a boy. What is the total of the monthly fees of girls and boys together?

[www.competoid.com]

- (a) Rs.8,73,400 (b) Rs.8,67,300
(c) Rs.8,76,300 (d) Rs.8,73,600

@@

Answer: Rs.8,73,600

In a school there are 250 students out of whom 12 percent are girls. Each girl's monthly fee is Rs.450 and each boy's monthly fee is 24 percent more than a girl. What is the total monthly fee of girls and boys together?

[www.competoid.com]

- (a) Rs.1,36,620 (b) Rs.1,36,260
(c) Rs.1,32,660 (d) Rs.1,32,460

@@

Answer: Rs.1,36,260

In a school there are 800 students out of whom 45 percent are girls. Monthly fee of each boy is Rs.600 and monthly fee of each girl is 30 percent less than each boy. What is the total monthly fee of girls and boys together?

[www.competoid.com]

- (a) Rs. 4,25,400 (b) Rs. 4,14,600
(c) Rs. 4,19,600 (d) None of these

@@

Answer: None of these

In a school, 10% of boys are equal to the one-fourth of the girls. What is the ratio of boys and girls in that school?

[www.competoid.com]

(a) 3:2

(b) 5:2

(c) 2:1

(d) 4:3

@@

Answer: 5:2

In a school, there are 100 students. 60% of the students are boys, 40% of whom play hockey and the girls don't play hockey, 75% of girls play badminton. There are only two games to be played. The number of student who don't play any game is:

[www.examveda.com]

- (a) 10% (b) 20%
(c) 36% (d) 46%
(e) Can't be determined

e

In a test a student got 30% marks and failed by 25 marks. In the same test another student got 40% marks and secured 25% marks more than the essential minimum pass marks. The maximum pass marks for the test were?

[www.competoid.com]

- (a) 400 (b) 480
(c) 500 (d) 580

@@

Answer: 400

In a test, A scored 10% more than B and B scored 5% more than C. If C scored 300 marks out of 400, then A's marks are

[www.competoid.com]

- (a) 310 (b) 325
(c) 350 (d) 360

@@

Answer: 360

In a test, minimum passing percentage for girls and boys is 30% and 45% respectively.

A boy Scored 280 marks and failed by 80 marks. How many more marks did a girl require to pass in the test if she scored 108 marks?

[www.competoid.com]

- (a) 132 (b) 140
(c) 160 (d) 112

@@

Answer: 132

In a test, Rajesh got 112 marks which was 32 more than the passing marks. Sonal got 75% marks which was 70 more than the passing marks. What is the minimum passing percentage of the test?

[www.competoid.com]

- (a) 35% (b) 45%
(c) 40% (d) 48%

@@

Answer: 40%

In a town, the population was 8000. In one year, male population increased by 10% and female population increased by 8% but the total population increased by 9%. The number of males in the town was :

[www.examveda.com; www.competoid.com]

- (a) 4000 (b) 4500
(c) 5000 (d) 6000 **a**

In a university election in which there were only two candidates, 10% of the people on the voting list did not vote and 60 votes cast were declared invalid. The successful candidate secured 47% of the total number on voting list and won by a margin of 308 votes. The number of voters on the voting list was

[www.competoid.com]

- (a) 6,000 (b) 6,200
(c) 6,500 (d) 7000 @@

Answer: 6,200

In a vessel there is 40 litres mixture of milk and water. There is 15% water in the mixture. The milkman sells 10 litres of mixture to a customer and thereafter adds 12.5 litres of water to the remaining mixture. What is the respective ratio of milk and water in the new mixture ?

[www.competoid.com]

- (a) 2 : 3 (b) 3 : 2
(c) 3 : 4 (d) 4 : 3 @@

Answer: 3 : 2

In a village 30% of the population is literate. If the total population of the village is 6,600, then the number of literate is:

[www.competoid.com]

- (a) 1980 (b) 4620
(c) 2200 (d) 3280 @@

Answer: 1980

In a village, 70% registered voters cast their votes in the election. Only two candidates (A and B) contested the election. A won the election by 400 votes. Had A received 12.5% less votes, the result would have been tie. How many registered voters are there in the village?

[www.competoid.com]

- (a) 4200 (b) 4500
(c) 4000 (d) 4250 @@

Answer: 4000

In an acoustics class, 120 students are male and 100 students are female. 25% of the male students and 20% of the female students are engineering students. 20% of the male engineering students and 25% of the female engineering students passed the final exam. What percentage of engineering students passed the exam? [www.lofoya.com]

- (a) 5% (b) 10%
(c) 16% (d) 22% **d**

In an alloy, there is 12% of copper, to get 69 kg of copper, how much alloy will be required?

[www.competoid.com]

- (a) 424 kg (b) 575 kg
(c) 828 kg (d) $1736\frac{2}{3}$ kg @@

Answer: 575 kg

In an election 10% of the voters on the voter's list did not cast their votes and 60 voters cast their ballot paper blank. There were only two candidates. The winner was supported by 47% of all the voters in the list and he got 308 votes more than his rival. The number of voters on the list was

[www.competoid.com]

- (a) 3600 (b) 6200
(c) 4575 (d) 6028 @@

Answer: 6200

In an election 4% of the votes caste become invalid. Winner gets 55% of casted votes and wins the election by a margin of 4800 votes. Find the total number of votes casted.

[www.examveda.com]

- (a) 45000 (b) 48000
(c) 50000 (d) 52000 **c**

In an election 4% of votes cast are invalid. A candidate gets 55% of casted votes and wins the election by 4200 votes. Find the total number of votes casted.

[www.examveda.com]

- (a) 30000 (b) 43750
(c) 45000 (d) 42000 **b**

In an election between two candidates one got 55% total valid votes. 20% of the votes - were invalid. If the total votes were 7500, what was the number of valid votes that the other persons got?

[www.competoid.com]

- (a) 2700 (b) 2900

(c) 3000 (d) 3100 @@
Answer: 2700

In an election between two candidates, one got 52% of total valid votes. 25% of the total votes were invalid. The total number of votes were 8400. How many valid votes did the other person get? [www.competoid.com]

- (a) 3276 (b) 3196
(c) 3024 (d) Cannot be determined

Answer: 3024

In an election between two candidates, the candidate getting 60% of the votes polled, is elected by a majority of 14,000 votes. The number of votes obtained by the winning candidates is [www.competoid.com]

- (a) 28,000 (b) 32,000
(c) 42,000 (d) 46,000 @@

Answer: 42,000

In an election between two candidates, the winner got 65% of the total votes cast and won the election by a majority of 2748 votes. What is the total number of votes cast if no vote is declared invalid? [www.examveda.com]

- (a) 8580 (b) 8720
(c) 9000 (d) 9160 (d)

In an election contested by two parties, Party D secured 12% of the total votes more than Party R. If party R got 132,000 votes, by how many votes did it lose the election? [www.lofoya.com]

- (a) 300,000 (b) 168,000
(c) 36,000 (d) 24,000 (c)

In an election only two candidates contested. 30% of the registered votes did not cast their votes and 180 votes were declared invalid. The winner got 684 votes more than his Opponent. The number of valid votes received by the winner is 42% of the number of registered voters. How many registered voters cast their votes? [www.competoid.com]

- (a) 2660 (b) 2260
(c) 2160 (d) 2520 @@

Answer: 2520

In an election there were only two candidates. One of the candidate secured 40% of votes and is defeated by the other

candidate by 298 votes. The total number of votes polled is : [www.examveda.com; www.competoid.com]

- (a) 745 (b) 1460
(c) 1490 (d) 1500 (c)

In an election, 4000 votes were polled and one of candidates got 40% votes. He was defeated by [www.competoid.com]

- (a) 2400 votes (b) 1600 votes
(c) 800 votes (d) 600 votes @@

Answer: 800 votes

In an election, a candidate gets 9% less than those obtained by his rival who gets 3100 votes. The number of votes cast in favour of the loser (the defeated) is [www.competoid.com]

- (a) 2831 (b) 3000
(c) 2991 (d) 2821 @@

Answer: 2821

In an election, a total of 500000 voters participated. A candidate got 255000 votes which was 60% of total valid votes. What was the percentage of invalid votes : [www.examveda.com]

- (a) 10% (b) 12%
(c) 15% (d) $\frac{300}{17}\%$ (c)

In an election, one of the two candidates gets 40% of total vote, and still losses by 480 votes. Find the total number of votes. [www.competoid.com]

- (a) 4800 (b) 1200
(c) 2400 (d) 3600 @@

Answer: 2400

In an election, there are three candidates contested. The first candidates got 40% votes and the second got 36% votes. If total number of votes polled were 36000, find the number of votes got by the 3rd candidate. [www.competoid.com]

- (a) 8040 (b) 8640
(c) 9360 (d) 9640 @@

Answer: 8640

In an Entrance Examination See-ma scored 56 percent marks. Nitya scored 92 percent marks and Meena scored 634 marks. The maximum marks of the examination are 875. What are the average marks scored by all

the three girls together?

- (a) 1939 (b) 817
(c) 680 (d) 643

[www.competoid.com]

Answer: 643

In an examination 35% of total students failed in Hindi, 45% failed in English and 20% failed in both. Find the percentage of those students who passed in both the subjects?

[www.competoid.com]

- (a) 45% (b) 35%
(c) 20% (d) 40%

Answer: 40%

In an examination 36% are pass marks. If an examinee gets 17 marks and fails by 10 marks, what are the maximum marks?

[www.examveda.com]

- (a) 90 (b) 75
(c) 60 (d) 55

In an examination 52% students failed in English and 28% students failed in Mathematics. If 18% students failed in both the subjects, find the percentage of those students who passed in both the subjects.

[www.competoid.com]

- (a) 3.32 (b) 0.38
(c) 0.26 (d) 0.62

Answer: 0.38

In an examination 70% of the candidate passed in English, 80% passed in Mathematics, 10% failed in both subjects. If 144 candidates passed in both, the total number of candidates was :

[www.examveda.com; www.competoid.com]

- (a) 125 (b) 200
(c) 240 (d) 375

In an examination 80% candidates passed in English and 85% candidates passed in Mathematics. If 73% candidates passed in both these subjects, then what per cent of candidates failed in both the subjects?

[www.examveda.com]

- (a) 8 (b) 15
(c) 27 (d) 35

In an examination A got 25% marks more than B, B got 10% less than C and C got 25% more than D. If D got 320 marks out of 500, the marks obtained by A were :

[www.examveda.com; www.competoid.com]

- (a) 405 (b) 450
(c) 360 (d) 400

(b)

In an examination in which full marks were 500. A got 25% more than C, C got 20% less than D. If A got 360 marks. What percentage of full marks was obtained by D ?

[www.competoid.com]

- (a) 72% (b) 80%
(c) 50% (d) 60%

Answer: 72%

In an examination out of 480 students, 85% of the girls and 70% of the boys passed. How many boys appeared in the examination, if total pass percentage was 75%?

[www.competoid.com]

- (a) 370 (b) 340
(c) 320 (d) 360

Answer: 320

In an examination Raman scored 25 marks less than Rohit. Rohit scored 45 more marks than Sonia. Rohan scored 75 marks which is 10 more than Sonia. Ravi's score is 50 less than maximum marks of the test. What approximate percentage of marks did Ravi score in the examination if he gets 34 marks more than Raman ?

[www.competoid.com]

- (a) 90.00% (b) 70.00%
(c) 80.00% (d) 60.00%

Answer: 70.00%

In an examination the percentage of students qualified to the number of students appeared from school 'A' is 70%. In school 'B' the number of students appeared is 20% more than the students appeared from school 'A' and the number of students qualified from school 'B' is 50% more than the students qualified from school 'A'. What is the percentage of students qualified to the number of students appeared from school 'B'?

[www.competoid.com]

- (a) 30 % (b) 70%
(c) 87.5 % (d) 78.5 %

Answer: 87.5 %

In an examination there are three subjects of 100 marks each. A student scores 60% in the first subject and 80% in the second subject. He scored 70% in aggregate. His percentage

of marks in the third subject is

- (a) 80 (b) 60
(c) 65 (d) 70

[www.competoid.com]

@@

Answer: 70

In an examination, 25% students failed in Mathematics, 20% failed in Economics and 5% failed in both. Find the percentage of students who passed in both the subjects.

[www.competoid.com]

- (a) 60% (b) 45%
(c) 39% (d) 62%

@@

Answer: 60%

In an examination, 30% of total students failed in Hindi, 45% failed in English and 20% failed in both subjects. Find the percentage of those who passed in both the subjects.

[www.competoid.com]

- (a) 35.70% (b) 35.00%
(c) 40.00% (d) 45.00%

@@

Answer: 45.00%

In an examination, 35% of total students failed in Hindi, 45% failed in English and 20% failed in both. Find the percentage of those students who passed in both the subjects?

[www.examveda.com]

- (a) 45% (b) 35%
(c) 20% (d) 40%

d

In an examination, 40% of the candidates wrote their answers in Hindi and the others in English. The average marks of the candidates written in Hindi is 74 and the average marks of the candidates written in English is 77. What is the average marks of all the candidates?

[www.competoid.com]

- (a) 75.5 (b) 75.8
(c) 76 (d) 76.8

@@

Answer: 75.8

In an examination, 49% students failed in English, 36% students failed in Hindi, while 15% failed in both. If total number of passed students is 450, then how many students did appear in the examination?

[www.competoid.com]

- (a) 1800 (b) 2000
(c) 1100 (d) 1500

@@

Answer: 1500

In an examination, 52% students failed in Hindi and 42% in English. If 17% failed in both the subjects, what percentage of students passed in both the subjects?

[www.competoid.com]

- (a) 38% (b) 33%
(c) 23% (d) 18%

@@

Answer: 23%

In an examination, 60% of the candidates passed in English and 70% of the candidates passed in Mathematics, but 20% failed in both subjects. If 2500 candidates passed in both the subjects, the number of candidates who appeared at the examination was :

[www.examveda.com; www.competoid.com]

- (a) 3000 (b) 3500
(c) 4000 (d) 5000

d

In an examination, 80% of the total candidates passed English and 65% passed in mathematics. While 15% failed in both in English and mathematic. If 480 candidates passed in both the subject, find the total number of candidates who took the examination?

[www.competoid.com]

- (a) 600 (b) 1000
(c) 800 (d) 1200

@@

Answer: 800

In an examination, it is required to get 296 marks out of aggregate marks to pass. A student gets 222 marks and is declared failed by 10% marks. What are the maximum aggregate marks a student can get?

[www.competoid.com]

- (a) 830 (b) 810
(c) 780 (d) 740

@@

Answer: 740

In an examination, questions were asked in five sections. Out of the total students, 5% candidates cleared the cut-off in all the sections and 5% cleared none. Of the rest, 25% cleared only one section and 20% cleared four sections. If 24.5% of the entire candidates cleared two sections and 300 candidates cleared three sections. Find out how many candidates appeared at the examination?

[www.examveda.com]

- (a) 1000 (b) 1200
(c) 1500 (d) 2000

© 1800

ⓑ

- ## In an examination, the marks obtained by Shantanu is 40% less than the marks obtained by Kamal, then marks obtained by Kamal is how much per cent more than the marks obtained by Shantanu?

[www.competoid.com]

(a) $55\frac{2}{3}\%$

(b) $44\frac{3}{5}\%$

(c) $33\frac{1}{3}\%$

(d) $66\frac{2}{3}\%$

@@

Answer: 66236623%

- ## In an examination, there were 1000 boys and 800 girls. If 60% of the boys and 50% of the girls passed. Find the percentage of the failed candidates?

[www.competoid.com]

(a) 46.4%

(b) 48.4%

(c) 44.4%

(d) 49.6%

@@

Answer: 44.4%

- ## In an examination. 70% of students passed in English and 65% passed in Maths. If 27% of students failed in both subjects and 248 students passed in both Subjects. how many students did appear in the examination?

[www.competoid.com]

(a) 400

(b) 375

(c) 425

(d) 450

@@

Answer: 400

- ## In an examination 73% of the candidates passed in quantitative aptitude test, 70% passed in General awareness and 64% passed in both. If 6300 failed in both subject the total number of examinees were

[www.competoid.com]

(a) 60000

(b) 50000

(c) 30000

(d) 25000

@@

Answer: 30000

- ## In an institute, 60% of the students are boys and the rest are girls. Further 15% of the boys and 7.5% of the girls are getting a fee waiver. If the number of those getting a fee waiver is 90, find the total number of students getting 50% concessions if it is given that 50% of those not getting a fee waiver are eligible to get half fee concession?

[www.examveda.com]

(a) 360

(b) 280

(c) 320

(d) 330

(e) 350

ⓐ

- ## In an office in Singapore there are 60% female employees. 50 % of all the male employees are computer literate. If there are total 62% employees computer literate out of total 1600 employees, then the no. of female employees who are computer literate?

[www.examveda.com]

(a) 690

(b) 674

(c) 672

(d) 960

Ⓒ

- ## In an office there were initially N employees. The HR manager first hired P% employees then after a month Q% employees left the office, the value of (P - Q) is:

[www.examveda.com]

(a) PQ

(b) $\frac{PQ}{100}$

(c) $\frac{P}{Q}$

(d) $\frac{Q}{P}$

(e) None of These

ⓑ

- ## In an office, 40% of the staff is female. 40% of the female and 60% of the male voted for me. The percentage of vote I got was

[www.competoid.com]

(a) 24%

(b) 42%

(c) 50%

(d) 52%

@@

Answer: 52%

- ## In an organisation the average monthly salary of an officer is 140% of that of a clerk and 84% of that of a manager. There are 30 officers, 45 clerks and 20 managers in the organisation. The total annual salary of all the employees is Rs. 649.80 lakh. What is the annual salary of an officer? [In Rs. lakh]

[www.competoid.com]

(a) 7.56

(b) 8.56

(c) 7.65

(d) 8.65

@@

Answer: 7.56

- ## In company there are 75% skilled workers and remaining are unskilled. 80% of skilled workers and 20% of unskilled workers are permanent. If number of temporary workers is 126, then what is the number of total workers?

[www.examveda.com]

(a) 480

(b) 510

(c) 360

(d) 377

Ⓒ

- ## In order to pass in an exam, a student is required to get 780 marks out of the aggregate marks. Sonu got 728 marks and was declared failed by 5%. What are the

maximum aggregate marks a student can get in the examination?

[www.competoid.com]

- (a) 1040 (b) 1100
(c) 1000 (d) Cannot be determined
@@

Answer: 1040

In order to pass in an examination, a student is required to get 342 marks out of the aggregate marks. Neha got 266 marks and was declared fail by 8 per cent. What is the minimum passing percentage of the examination ?

[www.competoid.com]

- (a) 28.00% (b) 36.00%
(c) 33.00% (d) 26.00% @@

Answer: 36.00%

In Sabarmati Express, there as many wagons as there are the no. of seats in each wagon and not more than one passenger can have the same berth (seat). If the middlemost compartment carrying 25 passengers is filled with 71.428% of its capacity, then find the maximum no. of passengers in the train that can be accommodated if it has minimum 20% seats always vacant.

[www.examveda.com]

- (a) 500 seats (b) 786 seats
(c) 980 seats (d) 1060 seats
(e) None of These (c)

In the annual examination Ankita got 10% less marks than Eakta in Mathematics. Ankita got 81 marks. The marks of Eakta are:

[www.competoid.com]

- (a) 90 (b) 87
(c) 88 (d) 89 @@

Answer: 90

In the Bombay Stock Exchange there are 45% female employees and thus the number of male employees is exceeded by 72. Hence the total no. of employees in the BSE is:

[www.examveda.com]

- (a) 540 (b) 720
(c) 800 (d) 550 (b)

In the last financial year, a car company sold 41800 cars. In this year, the target is sale 51300 cars. By what percent must the sale be increased ?

[www.examveda.com; www.competoid.com]

- (a) $11\frac{9}{22}\%$ (b) $8\frac{9}{22}\%$
(c) $8\frac{11}{23}\%$ (d) $22\frac{8}{11}\%$ (d)

In the month of March, 2014, Rashmi paid Emi which was 30% of her monthly salary. The remaining salary she spent on shopping of groceries and clothes in the respective ratio of 4 : 3. She spent Rs. 15000 on shopping of clothes. If in April, 2014, her salary increased by 12%, what was her salary in April ?

[www.competoid.com]

- (a) Rs. 48,000 (b) Rs. 50,000
(c) Rs. 56,000 (d) Rs. 66,000 @@

Answer: Rs. 56,000

In the recent, climate conference in New York, out of 700 men, 500 women, 800 children present inside the building premises, 20% of the men, 40% of the women and 10% of the children were Indians. Find the percentage of people who were not Indian?

[www.examveda.com]

- (a) 77% (b) 73%
(c) 79% (d) 83% (c)

In the Science City, Kolkata the rate of the ticket is increased by 50% to increased the revenue but simultaneously 20% of the visitor decreased. What is percentage change in the revenue. if it is known that the Science city collects one revenue only from the visitors and it has no other financial supports:

[www.examveda.com]

- (a) +20% (b) -25%
(c) +30% (d) -30%
(e) Cannot determined (a)

In the year 2013, the population of a village A was 30% more than the population of village B. The population of village A in 2014 increased by 20% as compared to the previous year. if the population of village A in 2014 was 7176, what was the population of village B in 2013 ?

[www.competoid.com]

- (a) 4000 (b) 5000
(c) 4800 (d) 4600 @@

Answer: 4600

- ## In two successive years 100 and 75 students of a school appeared at the final examination. Respectively 75% and 60% of them passed. The average rate of pass is:

[www.competoid.com]

- (a) $68\frac{4}{7}\%$ (b) 78%
(c) $80\frac{1}{2}\%$ (d) 80%

@@

Answer: $68\frac{4}{7}\%$ $68\frac{4}{7}\%$

- ## In two successive years, 80 and 60 students of a school appeared at the final examination, of which 60% and 80% passed respectively. The average rate of students passed (in percent) is:

[www.competoid.com]

- (a) 68% (b) $68\frac{4}{7}\%$
(c) 32% (d) 36%

@@

Answer: $68\frac{4}{7}\%$ $68\frac{4}{7}\%$

- ## Income of A is 150% of the income of B and income of C is 120% of the income of A. If the total income of A, B and C together is ? 86,000. what is C's income?

[www.competoid.com]

- (a) Rs.30,000 (b) Rs.32,000
(c) Rs.20,000 (d) Rs.36,000

@@

Answer: Rs.36,000

- ## Income of Suman is first increased by 7% and then it is decreased by 7%. What is the change in her income?

[www.competoid.com]

- (a) 0.49% (increase) (b) 0.39% (decrease)
(c) 0.39% (increase) (d) 0.49% (decrease)

@@

Answer: 0.49% (decrease)

- ## Jar A and jar B both contain mixture of milk and water. Jar A has 80 litres of mixture out of which 20% is water. The mixture in jar B has 40% of water. The mixture from both the jars is poured in an empty jar C. The resultant respective ratio between milk and water in the jar C is 5 : 2. What is the quantity of milk in jar C? (in litres)

[www.competoid.com]

- (a) 105 (b) 120
(c) 110 (d) 100

@@

Answer: 100

- ## Kamal has some apples. If he sold 40% apples more than he ate if he sold 70 apples

then. How many he ate

[www.competoid.com]

- (a) 18 (b) 42
(c) 50 (d) 99

@@

Answer: 50

- ## KK was skeptical that per unit variable cost might increase by 1010 though the demand might remain same. What will be the expected changes in profit in such a case?

[www.lofoya.com]

- (a) Profit will increase by 16.67% (b) Profit will increase will by 15.75%
(c) Profit would decrease by 15.75% (d) Profit will decrease by 16.67%

d

- ## Krishna's present salary is Rs. 3500. It will increase by 10% next year. What will be Krishna's salary after the increment?

[www.examveda.com]

- (a) Rs. 3850 (b) Rs. 3950
(c) Rs. 4000 (d) Rs. 3900

a

- ## Last year, the population of a town was x and if it increases at the same rate, next year it will be y. the present population of the town is

[www.examveda.com]

- (a) $\frac{x+y}{2}$ (b) $\frac{y-x}{2}$
(c) $\frac{2xy}{x+y}$ (d) $\sqrt{xy}$

d

- ## Last year, there were 610 boys in a school. The number decreased by 20% this year. How many girls are there in the school, if the number of girls is 175% of the total number of boys in the school this year?

[www.competoid.com]

- (a) 854 (b) 848
(c) 798 (d) 782

@@

Answer: 854

- ## If 65% of the students in a school are boys and the number of girls be 665, the total number of boys is.

[www.competoid.com]

- (a) 1235 (b) 1900
(c) 1635 (d) 1465

@@

Answer: 1235

- ## In a certain town, 60% of the inhabitants take rice, 50% take wheat and 20% take both. The percentage inhabitants who take neither wheat nor rice is.

[www.competoid.com]

- (a) 15 (b) 10
(c) 12 (d) 8 @@

Answer: 10

Madan's salary is 25% of Ram's Salary and Ram's salary is 40% of Sudhir's salary. If total salary of all the three for a month is Rs.12000. How much did Madan earn in the month?

[www.competoid.com]

- (a) Rs.800 (b) Rs.1200
(c) Rs.1600 (d) Rs.2000 @@

Answer: Rs.800

Mangulal, a shopkeeper, marks the prices of his goods at 20% higher than the original price. After that, he allows a discount of 5%. What profit or loss did he get?

[www.competoid.com]

- (a) 14% (profit) (b) 16% (loss)
(c) 14% (loss) (d) 16% (profit) @@

Answer: 14% (profit)

Mantu starts a month with provisions expected to last for the entire month. After few days, it is discovered that the provisions will, in fact, short by 12 days and it is calculated that if the stock of provisions left is immediately tripled, it will be possible to exactly make up for the shortfall. If the stock of provisions left is doubled instead of being tripled, and simultaneously the strength of the Mantu is decreased by 25, then the provisions will fall short by

[www.lofoya.com]

- (a) 2 days (b) 1 days
(c) 3 days (d) 4 days (a)

Mathew scored 42 marks in Biology. 51 marks in Chemistry, 58 marks in Mathematics, 35 marks in Physics and 48 marks in English. The maximum marks, a student can score in each subject, are 60. How much overall percentage did Mathew get in this exam?

[www.competoid.com]

- (a) 76% (b) 82%
(c) 68% (d) 78% @@

Answer: 78%

Monthly salaries of Pia and Som are in the respective ratio of 5 : 4. Pia, from her monthly salary, gives $\frac{3}{5}$ to her mother. 15% towards her sister's tuition fees, 18%

towards a loan and she shops with the remaining amount which was Rs. 2,100. What is the monthly salary of Som?

[www.competoid.com]

- (a) Rs.24,000 (b) Rs.80,000
(c) Rs.15,000 (d) Rs.20,000 @@

Answer: Rs.24,000

Mr. Giridhar spends 50% of his monthly income on household items and out of the remaining he spends 50% on transport, 25% on entertainment, 10% on sports and remaining amount of Rs. 900 is saved. What is Mr. Giridhar's monthly income?

[www.competoid.com]

- (a) Rs.6,000 (b) Rs.12,000
(c) Rs.9,000 (d) Cannot be determined @@

Answer: Rs.12,000

Mr. Sarang invests 6% of his monthly salary i.e. Rs.2,100 on insurance policies. Also he invests 8% of his monthly salary on family Medici claim policies and another 9% of his salary on NSCs. What is the total annual amount invested by Mr. Sarang?

[www.competoid.com]

- (a) Rs. 11,400 (b) Rs. 96,600
(c) Rs. 8,050 (d) Rs. 9,500 @@

Answer: Rs. 96,600

Mr. Shamin's salary increases every year by 10% in June. If there is no other increase or reduction in the salary and his salary in June 2011 was Rs.22,385, what was his salary in June 2009?

[www.competoid.com]

- (a) Rs. 18,650 (b) Rs. 18,000
(c) Rs. 19,250 (d) Rs. 18,500 @@

Answer: Rs. 18,500

Mr. X salary increased by 20%. On the increase, the tax rate is 10% higher. The percentage increase in tax liability is:

[www.examveda.com]

- (a) 20% (b) 22%
(c) 23% (d) 24% (b)

Mr. X spends 20% of his monthly income on household expenditure. Out of the remaining 25% he spends on children's education. 15% on transport, 15% on medicine and 10% on entertainment. He is left with Rs. 9,800 after incurring all these expenditures: What is his

monthly income?

[www.competoid.com]

- (a) Rs.35,000 (b) Rs.28,000
(c) Rs.65,333 (d) Rs.48,400 @@

Answer: Rs.35,000

Mr. Yadav spends 80% of his monthly salary on consumable items and 50% of the remaining on clothes and transport. He saves the remaining amount. If his savings at the end of the year are Rs. 5370, how much amount per month he would have spent on clothes and transport?

[www.competoid.com]

- (a) Rs. 4,037 (b) Rs. 8,076
(c) Rs. 9,691.20 (d) None of these @@

Answer: None of these

Ms. Sujata invests 7% i.e. Rs. 2170 of her monthly salary in mutual funds. Later she invests 18% of her monthly salary in recurring deposits. Also, she invests 6% of her salary on NSC's. What is the total annual amount invested by Ms. Sujata ?

[www.competoid.com]

- (a) Rs. 1,25,320 (b) Rs. 1,13,520
(c) Rs. 1,35,120 (d) Rs. 1,15,320 @@

Answer: Rs. 1,15,320

Narayan spends 30% of his income on education and 50% of the remaining on food. He gives Rs. 1000 as monthly rent and now has Rs. 1800 left with him. What is his monthly income?

[www.examveda.com]

- (a) Rs. 8000 (b) Rs. 7000
(c) Rs. 9000 (d) Rs. 6000 (a)

On increasing the denominator of a fraction by 50% and decreasing the numerator by 20% the resulting fraction becomes $\frac{1}{3}$. What is the original fraction?

[www.competoid.com]

- (a) $\frac{4}{7}$ (b) $\frac{5}{8}$
(c) $\frac{8}{9}$ (d) $\frac{3}{4}$ @@

Answer: 5858

One bacterium splits into eight bacteria of the next generation. But due to environment, only 50% of one generation can produced the next generation. If the seventh generation number is 4096 million, what is

the number in first generation?

[www.examveda.com]

- (a) 1 million (b) 2 million
(c) 4 million (d) 8 million
(e) None of these (a)

One fourth of two-fifth of 30% of a number x is equal to 15. Find 20% of the same number.

[www.competoid.com]

- (a) 100 (b) 120
(c) 105 (d) 80 @@

Answer: 100

One third of a number is 96. What will 67% of that number be ?

[www.examveda.com]

- (a) 192.96 (b) 181.44
(c) 169.92 (d) 204.48 (a)

One-fifth of half of a number is 20. Then 20% of that number is :

[www.examveda.com];

- (a) 80 (b) 60
(c) 20 (d) 40 (d)

one-third of 1206 is what per cent of 134 ?

[www.competoid.com]

- (a) 100% (b) 150%
(c) 200% (d) 300% @@

Answer: 300%

One-third of a number is 96. What will 67% of that number be?

[www.competoid.com]

- (a) 192.96 (b) 181.44
(c) 169.92 (d) 204.48 @@

Answer: 192.96

Out of 2500 people, Only 60% have the saving habit. If 30% save with bank, 32% with post office and the rest with shares. the number of shareholders are:

[www.competoid.com]

- (a) 450 (b) 570
(c) 950 (d) 1250 @@

Answer: 570

Out of his total income, Mr. Kapur spends 20% on house rent and 70% of the rest on household expenses. If he saves Rs.1,800 what is his total income (in rupees) ?

[www.competoid.com]

- (a) Rs.7,800 (b) Rs.7,000
(c) Rs.8,000 (d) Rs.7,500 @@

Answer: Rs.7,500

Out of the total production of iron from hematite, an ore of Iron, 20% of the ore gets wasted, and out of the remaining iron, only 25% is pure iron. If the pure iron obtained in a year from a mine of hematite was 80,000 kg, then the quantity of hematite mined from that mine in the year is

[www.examveda.com]

- (a) 5,00,000 kg (b) 4,00,000 kg
(c) 4,50,000 kg (d) None of these **b**

p and q are inversely proportional to each other and are positive. If p increases by 100%, then q increases by

[www.competoid.com]

- (a) 50 % (b) 100 %
(c) 150 % (d) 200 % @@

Answer: 50 %

p% of a number P is q% more than r% of the number R. If the difference between P and R is r% of R and if the sum of P and R is 210, then which of the following statements is always true ?

[www.competoid.com]

- (a) P = 110, R = 100 (b) P = 220, R = 200
(c) P = 3300, R = 3000 (d) All of these

@@

Answer: P = 110, R = 100

Population of a country increases every year by 10%. If the population in January 2006 was 15.8 lakhs, what was the population in January 2008?

[www.competoid.com]

- (a) Rs.19,11,800 (b) Rs.18,96,000
(c) Rs.19,11,600 (d) Rs.18,94,000 @@

Answer: Rs.19,11,800

Population of a district is 2,96,000 out of which 1,66,000 are male. 50% of the population is literate. If 70% males are literate, then the number of woman who are literate, is

[www.examveda.com]

- (a) 32,200 (b) 31,800
(c) 66,400 (d) 48,000 **b**

Population of a town increase 2.5% annually but is decreased by 0.5% every year due to migration. What will be the percentage increase in 2 years?

[www.examveda.com]

- (a) 5% (b) 4.04%
(c) 4% (d) 3.96% **b**

Pradeep invested 20% more than Mohit. monthly invested 10% less than Raghu. If the total sum of their investment is 17,880. how much amount did Raghu invest?

[www.competoid.com]

- (a) Rs.6,000 (b) Rs.8,000
(c) Rs.7,000 (d) Rs.5,000 @@

Answer: Rs.6,000

Present population of a village is 67600, It has been increasing annually at the rate of 4%. What was the population of the village two years ago ?

[www.examveda.com; www.competoid.com]

- (a) 62500 (b) 63000
(c) 64756 (d) 65200 **a**

Product of one-third of a number and 150% of another number is what percent of the product of original number?

[www.competoid.com]

- (a) 80 % (b) 50 %
(c) 75 % (d) 120 % @@

Answer: 50 %

Puneet scored 175 marks in a test and failed by 35 marks. If the passing percentage of

the test is 35 percent. what are the maximum marks of the test ?

[www.competoid.com]

- (a) 650 (b) 700
(c) 750 (d) 600 @@

Answer: 600

Rajan invests 65% of his intended investment in machinery and 20% on raw material in his business. If he has a balance of Rs.6000, what was the intended investment?

[www.competoid.com]

- (a) Rs.21,000 (b) Rs.34,000
(c) Rs.40,000 (d) Rs.28,000 @@

Answer: Rs.40,000

Ram saves 14% of his salary while Shyam saves 22%. If both get the same salary and Shyam saves Rs.1540, what is the savings of Ram ?

[www.competoid.com]

- (a) Rs.990 (b) Rs.980
(c) Rs.890 (d) Rs.880 @@

Answer: Rs.980

Ram sells his goods 25% cheaper than Shyam and 25% dearer than Hari. How

much percentage is Hari's goods cheaper than Shyam?

[www.competoid.com]

- (a) 25 (b) $33\frac{1}{3}$
(c) 40 (d) 50

@@

Answer: 40

Ram spends 40% of his salary on food, 20% on house rent, 10% on entertainment and 10% on conveyance. If his savings at the end of a month are Rs.1500, then his salary per month (in Rs.) is :

[www.competoid.com]

- (a) Rs.8000 (b) Rs.7500
(c) Rs.6000 (d) Rs.10000

@@

Answer: Rs.7500

Raman scored 456 marks in an exam and Sita got 54 percent marks in the same exam which is 24 marks less than Raman. If the minimum passing marks in the exam is 34 percent. then how much more marks did Raman score than the minimum passing marks?

[www.competoid.com]

- (a) 184 (b) 196
(c) 190 (d) 180

@@

Answer: 184

Raman's salary is increased by 5% this year. If his present salary is Rs. 1806, the last year's salary was :

[www.examveda.com]

- (a) Rs. 1720 (b) Rs. 1620
(c) Rs. 1520 (d) Rs. 1801

(a)

Ram's expenditure and savings are in the ratio 5 : 3. If his income increases by 12% and expenditure by 15%, then by how much percent does his savings increase ?

[www.competoid.com]

- (a) 12% (b) 7%
(c) 8% (d) 13%

@@

Answer: 7%

Reena goes to a shop to buy a radio costing Rs. 2568. The rate of sales tax is 7% and the final value is rounded off to the next higher integer. She tells the shopkeeper to reduce the price of the radio so that she has to pay Rs. 2568 inclusive of sales tax. Find the reduction needed in the price of the radio.

[www.examveda.com]

- (a) Rs. 180 (b) Rs. 210

- (c) Rs. 168 (d) Rs. 170
(e) None of these (c)

Reena got 76 marks in Hindi, 48 marks in Science, 84 marks in Mathematics, 38 marks in Social Science and 72 marks in English. The maximum marks of each subject was 100. How much over all percentage of marks she got?

[www.competoid.com]

- (a) 63.80% (b) 62.60%
(c) 63.60% (d) 64.80%

@@

Answer: 63.60%

Romila appeared at a school examination. The marks obtained by Romila in History is $\frac{2}{3}$ rd of that in Geography and $\frac{4}{5}$ th of that in Science. Her marks in Mathematics were 140% of that of Science. Her marks in Science were 50. How many marks were obtained by Romila in all the subjects ?

[www.competoid.com]

- (a) 220 (b) 210
(c) 230 (d) 225

@@

Answer: 220

Rubina decided to donate 16% of her monthly salary to an NGO. On the day of donation she changed her mind and donated Rs. 6,567 which was 75% of what she had decided earlier. How much is Rubina's monthly salary ?

[www.competoid.com]

- (a) Rs.8,756 (b) Rs.54,725
(c) Rs.6,56,700 (d) Rs.45696

@@

Answer: Rs.54,725

Ruby's monthly income is three times Gayatri's monthly income. Gayatri's monthly income is fifteen percent more than Prey's monthly income. Praia's monthly income is Rs.32,000. What is Ruby's Annual income ?

[www.competoid.com]

- (a) Rs.1,20,300 (b) Rs.13,24,800
(c) Rs.38,800 (d) Rs.54,600

@@

Answer: Rs.13,24,800

Sahil earns 10 percent more than Satish and Satish earns 20 percent more than Swati. If Swati earns Rs. 17,500 less than Sahil, what are the earnings of each?

[www.lofoya.com]

- (a) Swati = Rs. 35,900.0, Sahil = Rs. 53,400.0, Satish = Rs. 58,740.0 (b) Swati = Rs. 39,500.0, Sahil = Rs. 57,000.0, Satish = Rs. 62,700.0
(c) Swati = Rs. 54,687.5, Sahil = Rs. 72,187.5, Satish = Rs. 65,625.0 (d) Swati = Rs. 69,125.0, Sahil = Rs. 86,625.0, Satish = Rs. 95,287.5 (e)

Sahil got 45 marks in Hindi, 47 marks in Science, 49 marks in Mathematics, 45 marks in Social Science and 32 marks in English. The maximum marks of each subject is 50. How much overall percentage of marks did he get?

[www.competoid.com]

- (a) 75 (b) 56.4
(c) 78 (d) 87.2 @@

Answer: 87.2

Salary of a person is first increased by 20%, then it is decreased by 20%. Then the percentage change in his salary is

[www.competoid.com]

- (a) 4% decreased (b) 8% increased
(c) 8% decreased (d) 20% increased @@

Answer: 4% decreased

Shatabdi Express has a capacity of 500 seats of which 10% are in the Executive class and the rest being chair cars. During one journey, the train was booked to 85% of its capacity. If Executive class was booked to 96% of its capacity, then how many chair car seats were empty during that journey?

[www.competoid.com]

- (a) 75 (b) 73
(c) 71 (d) None of these @@

Answer: 73

Six-eleventh of a number equal to twenty two percent of second number. Second number is equal to the one-fourth of third number. The value of the third number is 2400. What is the 45% of first number?

[www.competoid.com]

- (a) 107.6 (b) 131.1
(c) 115.4 (d) None of these @@

Answer: None of these

Sohan spends 23% of an amount of money on an insurance policy, 33% on food, 19% on children's education and 16% on recreation. He deposits the remaining amount of Rs.504 in bank, How much total amount does he spend on food and insurance

policy together?

[www.competoid.com]

- (a) Rs.3200 (b) Rs.3126
(c) Rs.3136 (d) Rs.3048 @@

Answer: Rs.3136

Solve $(550\% \text{ of } 250) \div 275 = (?)$

[www.examveda.com]

- (a) 15 (b) 1.5
(c) 0.5 (d) None of these (d)

Solve : $105.27\% \text{ of } 1200.11 + 11.80\% \text{ of } 2360.85 = 21.99\% \text{ of } (?) + 140.29$

[www.examveda.com]

- (a) 500 (b) 240
(c) 310 (d) 550 (d)

Solve this : $(23.6\% \text{ of } 1254) - (16.6\% \text{ of } 834) = ?$

[www.examveda.com]

- (a) 153.5 (b) 155.5
(c) 157.5 (d) 159.5
(e) None of these (c)

Solve this : $(7.9\% \text{ of } 134) - (3.4\% \text{ of } 79) = ?$

[www.examveda.com]

- (a) 7.3 (b) 7.8
(c) 8.1 (d) 8.6
(e) None of these (e)

Solve this : $15\% \text{ of } 578 + 22.5\% \text{ of } 644 = ?$

[www.examveda.com]

- (a) 231.4 (b) 231.6
(c) 231.8 (d) 233.6
(e) None of these (b)

Solve this : $30\% \text{ of } 1225 - 64\% \text{ of } 555 = ?$

[www.examveda.com]

- (a) 10.7 (b) 12.3
(c) 13.4 (d) None of these (b)

Solve this : $32\% \text{ of } 825 + 25\% \text{ of } 1440 = 1025 - (?)$

[www.examveda.com]

- (a) 456 (b) 206
(c) 223 (d) 401 (d)

Solve this : $36\% \text{ of } 365 + (?)\% \text{ of } 56.2 = 156.69$

[www.examveda.com]

- (a) 30 (b) 35
(c) 40 (d) 45
(e) None of these (d)

Solve this : $85\% \text{ of } 485.5 = 50\% \text{ of } ?$

[www.examveda.com]

- (a) 675.75 (b) 735.65
(c) 825.35 (d) 915.5
(e) None of these (c)

Solve this : $\frac{4}{3}$ of 25% $\frac{18}{19}$ of 57 = ?

[www.examveda.com]

- (a) 36 (b) 8
(c) 18 (d) 12

(c)

Solve this : (12% of 555) + (15% of 666) = ?

[www.examveda.com]

- (a) 166.5 (b) 167.5
(c) 168.5 (d) None of these

(a)

Solve this : 12% of 5000 = ?

[www.examveda.com]

- (a) 600 (b) 620
(c) 680 (d) 720

(a)

Solve this : (0.56% of 225) $\times$ (3.25% of 430) = ?

[www.examveda.com]

- (a) 15.3195 (b) 15.6175
(c) 17.3075 (d) 17.6085
(e) None of these

(d)

Solve this : (0.85% of 405) + (2.25% of 550) = ?

[www.examveda.com]

- (a) 13.8175 (b) 14.7125
(c) 15.7150 (d) 16.7175
(e) None of these

(e)

Sonali invests 15% of her monthly salary in insurance policies. She spends 55% of her monthly salary in shopping and on household expenses. She saves the remaining amount at Rs.12750. What is Sonali's monthly income?

[www.competoid.com]

- (a) Rs.42500 (b) Rs.38800
(c) Rs.40000 (d) Rs.35500

@@

Answer: Rs.42500

Sonika spent Rs. 45,760 on the interior decoration for her home. Rs. 27896 on buying air conditioner and the remaining 28% of the total amount she had as cash with her. What was the total amount ?

[www.competoid.com]

- (a) Rs. 98540 (b) Rs. 102300
(c) Rs. 134560 (d) Cannot be determined

@@

Answer: Rs. 102300

Sujata scored 2240 marks in an examination that is 128 marks more than the minimum passing percentage of 64%. What is the percentage of marks obtained by Meena if

she scores 907 marks less than Sujata?

[www.competoid.com]

- (a) 35 % (b) 40 %
(c) 45 % (d) 36 %

@@

Answer: 40 %

Sumitra has an average of 56% on her first 7 examinations. How much she should make on her eighth examination to obtain an average of 60% on 8 examinations?

[www.competoid.com]

- (a) 88% (b) 78%
(c) 98% (d) Cannot be determined

@@

Answer: Cannot be determined

Sunil scored 54 percent marks in a test. Ravi scored 450 marks in same test which is 300 less than Sonu. Sunil's score is 60 more marks than Sonu. If Ram scored 900 marks in the test. What is Ram's percentage ?

[www.competoid.com]

- (a) 0.8 (b) 0.65
(c) 0.75 (d) 0.6

@@

Answer: 0.6

Suppose x and y are inversely proportional and positive. If x increases by 10%, then y decreases by

[www.competoid.com]

- (a) 10 % (b) $\frac{10}{11}$
(c) $9\frac{1}{11}$ (d) $\frac{1}{11}$

@@

Answer: 91119111

The actual area of a rectangle is 60 Cm², but while measuring its length a student decreases it by 20% and the breadth increases by 25%. The percentage error in area, calculated by the student is :

[www.examveda.com]

- (a) 5% (b) 15%
(c) 20% (d) No change

(d)

The allowance of an employee constitutes 165% of his basic pay. If he receives Rs.11925 as gross salary, then his basic pay is (in Rs.):

[www.competoid.com]

- (a) 4000 (b) 5000
(c) 4500 (d) 5500

@@

Answer: 4500

The amount of work in a leather factory is increased by 50%. By what percent is it

necessary to increase the number of workers to complete the new amount of work in previously planned time, if the productivity of the new labour is 25% more.

[www.examveda.com]

- (a) 60% (b) 66.66% (c) 40% (d) 33.33% **C**

The average of marks obtained by 100 candidates in a certain examination is 30. If the average marks of passed candidates is 35 and that of the failed candidates is 10, what is the number of candidates who passed the examinations ?

[www.examveda.com; www.competoid.com]

- (a) 60 (b) 70 (c) 80 (d) 90 **C**

The average weight of a class of students is 67.5 kg. The weight of the class teacher is 25% more than the average weight of the class. The average weight of the class is less than the class teacher by x%. The value of x is:

[www.examveda.com]

- (a) 33.335 (b) 25% (c) 20% (d) 22% **B**

The bus fare and train fare of a place from Kolkata were Rs.20 and Rs.30 respectively. Train fare has been increased by 20% and the bus fare has been increased by 10%. The ratio of new train fare to new bus fare is:

[www.competoid.com]

- (a) 11: 18 (b) 18:11 (c) 5 : 3 (d) 3 : 5 @@

Answer: 18:11

The capital of a company is made up of 50000 preferred shares with dividend of 20% and 20000 common shares, the par value of each type of share being Rs. 10. The company had a total profit of Rs. 180000 out of which Rs. 30000 was kept in reserve fund and the remaining distributed to shareholders. Find the dividend per cent to the common shareholders.

[www.competoid.com]

- (a) 20 % (b) 35 % (c) 25 % (d) 30 % @@

Answer: 25 %

The cost of a car is 400% greater than the cost of a bike. If there is an increase in the cost of the car is 15% and that of bike 20%.

Then the total increase in the cost of the 5 cars and 10 bikes is:

[www.examveda.com]

- (a) 17.5% (b) $16\frac{3}{7}\%$ (c) 18.5% (d) 18.25% **B**

The cost of a house-plot is Rs.1,50,000. After 1 year, the cost of the plot increases by 10%. At the end of the second year, the cost of the plot increases by 15% over its cost after the first year. The cost of the plot at the end of the second year will be

[www.competoid.com]

- (a) Rs.1,65,000 (b) Rs.1,74,750 (c) Rs.1,87,500 (d) Rs.1,89,750 @@

Answer: Rs.1,89,750

The cost of packaging of the mangoes is 40% the cost of fresh mangoes themselves. The cost of mangoes increased by 30% but the cost of packaging decreased by 50%, then the percentage change of the cost of packed mangoes, if the cost of packed mangoes is equal to the sum of the cost of fresh mangoes and cost of packaging :

[www.examveda.com]

- (a) 14.17% (b) 7.14% (c) 8.87% (d) 6.66% **B**

The cost of raw material of a product increases by 30, the manufacturing cost increases by 20 and the selling price of the product increases by 6060. The raw material and the manufacturing cost, originally, formed 40 and 60 of the total cost respectively. If the original profit was one-fourth the original manufacturing cost, find the approximation new profit percentage.

[www.lofoya.com]

- (a) 48.39% (b) 54.68% (c) 62.48% (d) 42.36% **A**

The difference between 78% of a number and 59% of the same number is 323. What is 62% of that number?

[www.competoid.com]

- (a) 1054 (b) 1178 (c) 1037 (d) 1159 @@

Answer: 1054

The difference between the population of a city two consecutive years ago from today is 5000. If there is 10% increase in population per year from the previous year, what is the

present population of the city ?

[www.competoid.com]

- (a) 66000 (b) 65550
(c) 56660 (d) 67500 @@

Answer: 65550

The difference between the value of the number increased by 20% and the value of the number decreased by 25% is 36. Find the number ?

[www.examveda.com, www.competoid.com]

- (a) 7.2 (b) 0.8
(c) 720 (d) 80 d

The difference of two numbers is 15% of larger sum. The ratio of the larger number to the smaller number is :

[www.examveda.com; www.competoid.com]

- (a) 23 : 17 (b) 11 : 9
(c) 17 : 11 (d) 23 : 11 a

The enhanced salary of a man becomes Rs.24,000 after 20% increment. His previous salary was:

[www.competoid.com]

- (a) Rs.2,0000 (b) Rs.21000
(c) Rs.16,000 (d) Rs.18,000 @@

Answer: Rs.2,0000

The equivalent discount of three successive discounts 10%, 20% and 30% is

[www.competoid.com]

- (a) 59.40% (b) 60%
(c) 58% (d) 49.60% @@

Answer: 49.60%

The expenses on rice, fish and oil of a family are in the ratio 12 : 17 : 3. The price of these articles are increased by 20%, 30% and 50% respectively. The total expenses of family on these articles are increased by:

[www.competoid.com]

- (a) $14\frac{1}{8}\%$ (b) $7\frac{1}{8}\%$
(c) $28\frac{1}{8}\%$ (d) None of these @@

Answer: 2818%2818%

The Government reduced the price of sugar by 10 per cent. By this a consumer can buy 6.2 kg more sugar for Rs.837. The reduced price per kg of sugar is:

[www.competoid.com]

- (a) Rs.12.50 (b) Rs.13.00
(c) Rs.13.50 (d) Rs.14.00 @@

Answer: Rs.13.50

The income of a company increases 20% per annum. If its income is Rs. 2664000 in the year 2012. Then its income in the year 2010 was :

[www.examveda.com; www.competoid.com]

- (a) Rs. 2120000 (b) Rs. 1850000
(c) Rs. 2820000 (d) Rs. 2855000 b

The income of C is 20% more 5 than B's and the income of B is 25% more than A's. Find by how much percent is C's income more than A's ?

[www.competoid.com]

- (a) 150% (b) 50%
(c) 25% (d) 35% @@

Answer: 50%

The length of a rectangle is decreased by 20%. By what percent breadth of the rectangle must be increased so that area of the rectangle remains unaltered?

[www.competoid.com]

- (a) 25% (b) $16\frac{2}{3}\%$
(c) 120% (d) 80% @@

Answer: 25%

The length of a rectangle is increased by 10%. By what percent breadth of the rectangle must be reduced so that area of the rectangle remains unchanged?

[www.competoid.com]

- (a) 10% (b) $11\frac{1}{9}\%$
(c) $9\frac{1}{11}\%$ (d) $1\frac{1}{10}\%$ @@

Answer: 91119111%%

The length, breadth and height of a room are in ratio 3:2:1. If breadth and height are halved while the length is doubled, then the total area of the four walls of the room will

[www.examveda.com]

- (a) remain the same (b) decrease by 13.64%
(c) decrease by 15% (d) decrease by 18.75%
(e) decrease by 30% e

The length, breadth and height of a room in the shape of a cuboid are increased by 10%, 20% and 50% respectively. Find the percentage change in the volume of the cuboid.

[www.examveda.com]

- (a) 77% (b) 75%
(c) 88% (d) 98%

(c) 99% (d) 100%
The marked price is 10% higher than the cost price. A discount of 10% is given on the marked price. In the kind of sale, the seller.
 [www.competoid.com]

- (a) bears no loss, no gain (b) gains 1%
 (c) loses 10% (d) loses 1% @@

Answer: loses 1%

The marked price of brand A watches is 15% higher than its original price. Due to increase in demand, the price is further increased by 10%. How much profit will be obtained in selling the watches?
 [www.competoid.com]

- (a) 25% (b) 35%
 (c) 26.5% (d) 27% @@

Answer: 26.5%

The marks scored in History by P, Q, R and S form a geometric progression in that order. If the marks scored by R were $\frac{275}{9}\%$ less than the sum of the marks scored by P and Q, then marks scored by S were what percent more than the marks scored by Q? (Assume that everyone scored positive marks).
 [www.lofoya.com]

- (a) 56.25% (b) 55.55%
 (c) 64% (d) 67.75% (a)

The monthly income of a person is Rs.5000. If his income is increased by 30%, then what is his monthly income now?
 [www.competoid.com]

- (a) Rs.7000 (b) Rs.5500
 (c) Rs.4500 (d) Rs.6500 @@

Answer: Rs.6500

The monthly income of a person was Rs. 13,500 and his monthly expenditure was Rs. 9,000. Next year his income increased by 14% and his expenditure increased by 7%. The percentage increase in his savings was:
 [www.competoid.com]

- (a) 7% (b) 21%
 (c) 28% (d) 35% @@

Answer: 28%

The number of employees working in a farm is increased by 25% and the wages per head are decreased by 25%. If it result in x% decrease in total wages, then the value of x is:
 [www.competoid.com]

- (a) 0% (b) 25%
 (c) 20% (d) $\frac{25}{4}\%$ @@

Answer: 254254%

The number of Gypsy-cars sold in 1998 was 16,500 and that sold in 1997 was 16,580. How much was the percentage decrease in the sales of the Gypsy-cars from 1997 to 1998?
 [www.competoid.com]

- (a) More than 1 per cent (b) less than 1 per cent
 (c) Zero per cent (d) Cannot be determined @@

Answer: less than 1 per cent

The number that is to be added to 10% of 320 to have the sum as 30% of 230 is :
 [www.examveda.com; www.competoid.com]

- (a) 37 (b) 32
 (c) 23 (d) 73 (a)

The numbers are respectively $12\frac{1}{2}\%$ and 25% more than a third number. The as a percentage of the second number is :
 [www.examveda.com]

- (a) 50% (b) 60%
 (c) 75% (d) 90% (d)

The of the number of boys and girls in school at 8 : 12. If 50% of boys and 25% of girls are getting scholarship for their studies, what is the percentage of school students who are not getting any scholarships ?
 [www.examveda.com]

- (a) 65% (b) 66%
 (c) 67% (d) 68% (a)

The percentage increase in the surface area of a cube when each side is doubled is :
 [www.examveda.com]

- (a) 200% (b) 300%
 (c) 150% (d) 50% (b)

The population of a city is 250000. It is increasing at the rate of 2% every year. The growth in the population after 2 yr is?
 [www.competoid.com]

- (a) 2500 (b) 10000
 (c) 252000 (d) 10100 @@

Answer: 10100

The population of a city is 35000. On an increase of 6% in the number of men and an increase of 4% in the number of women, the population would become 36760. What was

the number of women initially?

[www.examveda.com]

- (a) 18000 (b) 19000
(c) 17000 (d) 20000

C

The population of a country reduces 10% in the 1st year and increases by 10% in the second year. If at the end the 2nd year population was 20790. Calculate the population in the beginning?

[www.competoid.com]

- (a) 21000 (b) 24000
(c) 25000 (d) 36000

@@

Answer: 21000

The population of a town 2 years ago was 62,500. Due to migration to big cities, it decreases every year at the rate of 4%. The present population of the town is :

[www.competoid.com]

- (a) 57,600 (b) 56,700
(c) 76,000 (d) 75,000

@@

Answer: 57,600

The population of a town increased from 1,75,000 to 2,62,500 in a decade. The average percent increase of population per year is:

[www.indiabix.com]

- (a) 4.37% (b) 5%
(c) 6% (d) 8.75%

b

The population of a town is 10,000. In the first year it increased by 10% and in the 2nd year it decreased by 10%. At the end of two years it will become

[www.competoid.com]

- (a) 10000 (b) 11,000
(c) 9900 (d) 12200

@@

Answer: 9900

The population of a town is 10,000. It increases in the first year by 20% and second year by 10%. At the end of 2 years it will become

[www.competoid.com]

- (a) 13000 (b) 13200
(c) 13500 (d) 14400

@@

Answer: 13200

The population of a town is 1058400. If it increases at the rate of 5% per annum, then find the population of the town 2 yr ago.

[www.competoid.com]

- (a) 949000 (b) 930000
(c) 960000 (d) 950000

@@

Answer: 960000

The population of a town is 126800. It increase by 15% in the 1st year and decrease by 20% in the 2nd year. What is the population of the town at the end of 2 yr?

[www.competoid.com]

- (a) 174984 (b) 135996
(c) 116656 (d) 145820

@@

Answer: 116656

The population of a town is 3,11,250. The ratio of women men is 43 : 40. If there are 24% literate among women and 10% illiterate, among men, the total number of literate persons in the town is:

[www.competoid.com]

- (a) 1.70.700 (b) 1.73.700
(c) 1.75.700 (d) 1.73.200

@@

Answer: 1.73.700

The population of a town is 705600. If it increases at the rate of 5% per annum, then what will be its population 2 yr hence?

[www.competoid.com]

- (a) 777924 (b) 777881
(c) 778781 (d) 797724

@@

Answer: 777924

The population of a town is 9000. It increases by 10% during first year and by 20% during a second year. The population after 2 years will be

[www.competoid.com]

- (a) 12000 (b) 11880
(c) 12060 (d) 11860

@@

Answer: 11880

The population of a town is increased from 50,000 to 52,000. The increase in percentage is

[www.competoid.com]

- (a) 4% (b) 3%
(c) 2% (d) 1%

@@

Answer: 4%

The population of a village has increased annually at the rate of 25%. If at the end of 3 years it is 10000, the population in the beginning of the first year was :

[www.examveda.com; www.competoid.com]

- (a) 5120 (b) 5000
(c) 4900 (d) 4500

a

The population of a village increase by 5% annually. If its present population is 4410, then its population 2 years ago was:

[www.examveda.com]

- (a) 4500 (b) 4000

- (c) 3800 (d) 3500 **(b)**
The population of a village increases by 20% in one year and decrease by 20% by the next year. If at the beginning of the third year, the population is 5184, what was the population in the first year?

[www.competoid.com]

- (a) 5400 (b) 5500
 (c) 5600 (d) 5800 @@

Answer: 5400

- ##** The population of a village is 5,000. In 6 years, it will become 6,000. If it continues increasing at the same rate, then in 18 years it will become

[www.competoid.com]

- (a) 18000 (b) 8000
 (c) 9624 (d) 8640 @@

Answer: 8640

- ##** The population of a village is 5000 and it increases at the rate of 2% every year. After 2 years, the population will be:

[www.examveda.com]

- (a) 5116 (b) 5202
 (c) 5200 (d) 5204 **(b)**

- ##** The population of a village was 9800. In a year with the increase in population of males by 8% and that of females by 8%, the population of the village became 10458. What was the number of males in the village before increase ?

[www.competoid.com]

- (a) 4200 (b) 4410
 (c) 5600 (d) 6048 @@

Answer: 5600

- ##** The population of Noida is 500,000 if it increases by 10% in the first and by 20% in the second year. The population at the end of these two years will be

[www.competoid.com]

- (a) 600000 (b) 660000
 (c) 800000 (d) 760000 @@

Answer: 660000

- ##** The population of village is 1,00,000. The rate of increase is 10% per annum. Find the population at the start of the third year?

[www.examveda.com]

- (a) 1,33,100 (b) 1,21,000
 (c) 1,18,800 (d) 1,20,000
 (e) None of these **(b)**

- ##** The population of a city increases by 15% during 2002 and 20% during 2003. In the end of 2003 the population of city was 27.6 lakh. What was the population of the city in the end of 2001 ? (in lakh)

[www.competoid.com]

- (a) 18 (b) 20
 (c) 21.2 (d) 22.2 @@

Answer: 20

- ##** The population of a town increases each year by 4% of its total at the beginning of the year. If the population on 1st January 2001 was 500000, what was it on 1st January, 2004?

[www.competoid.com]

- (a) 562432 (b) 652432
 (c) 465223 (d) 564232 @@

Answer: 562432

- ##** The price of 10% increased of an article of Rs.100, then again 10% increased the price. How much is increased in total price?

[www.competoid.com]

- (a) 20 (b) 21
 (c) 110 (d) 121 @@

Answer: 21

- ##** The price of a car depreciates in the first year by 25% in the second year by 20% in third year by 15% and so on. The final price of the car after 3 years, if the present cost of the car is Rs. 10,00,000 :

[www.examveda.com]

- (a) 7,80,000 (b) 1,70,000
 (c) 6,90,000 (d) 5,10,000 **(d)**

- ##** The price of a certain article is Rs.15000. But due to slump in the market, its price decreases by 8%. Find the new price of the article.

[www.competoid.com]

- (a) Rs.14000 (b) Rs.13800
 (c) Rs.16500 (d) Rs.12600 @@

Answer: Rs.13800

- ##** The price of a commodity has increased by 60%. By what percent must a consumer reduce the consumption of the commodity so as not to increase the expenditure ?

[www.competoid.com]

- (a) 37% (b) 37.5%
 (c) 40.5% (d) 60% @@

Answer: 37.5%

The price of a school bag and a shoe are in the ratio 7 : 5. The price of the school bag is Rs.200 more than the price of the shoe. Then the price of the shoe is:

[www.competoid.com]

- (a) Rs.200 (b) Rs.700
(c) Rs.500 (d) Rs.1,200 @@

Answer: Rs.500

The price of a thing is reduced by 25% but its consumption is increased by 20%. How many percent of the increased consumption should they increase more so as to keep the same expenditure?

[www.competoid.com]

- (a) $15\frac{1}{9}\%$ (b) $11\frac{7}{9}\%$
(c) $10\frac{7}{9}\%$ (d) None of these @@

Answer: $11\frac{7}{9}\%$

The price of an antique is reduced by 20% and then this price is again reduced by 10%. The total reduction of the price is

[www.competoid.com]

- (a) 25% (b) 23%
(c) 30% (d) 28% @@

Answer: 28%

The price of an article is decreased by 10% to restore it to its former value, the new price must be increased by:

[www.competoid.com]

- (a) $9\frac{1}{11}\%$ (b) 10%
(c) 11% (d) $11\frac{1}{9}\%$ @@

Answer: $11\frac{1}{9}\%$

The price of an article is reduced by 25% but the daily sale of the article is increased by 30%. The net effect on the daily sale receipts is:

[www.competoid.com]

- (a) $2\frac{1}{2}\%$ increase (b) $2\frac{1}{2}\%$ increase
(c) 2% increase (d) 2% decrease @@

Answer: 2% increase

The price of an article was increased two times successively by 10% each time. By what percent should the new price be reduced so as to restore the original price.

[www.competoid.com]

- (a) 15% (b) 17.36%

- (c) 17% (d) 16.36% @@

Answer: 17.36%

The price of an edible oil is increased by 25%. To maintain the budget, Sushma reduces the consumption of this oil by 20%. The increase in expenditure due to this edible oil is:

[www.competoid.com]

- (a) 0% (b) 1%
(c) 2% (d) 3% @@

Answer: 0%

The price of an item changed from Rs. 120 to Rs. 100. Then later the price decreased again from Rs. 100 to Rs. 80. Which can be said about the two decreases in percentage term?

[www.lofoya.com]

- (a) 1st decrease is larger (b) 2nd decrease is larger
(c) both are equal (d) nothing can be said (b)

The price of apples falls by 10%, which enable a man to buy 50% more apples for Rs.225. The reduced price for 100 apples will be

[www.competoid.com]

- (a) Rs.35 (b) Rs.55
(c) Rs.46 (d) Rs.45 @@

Answer: Rs.45

The price of ghee is increased by 32%. Therefore, a family reduces its consumption, so that the increment in price of ghee is only 10%. If consumption of ghee is 10 kg before the increment, then what is the consumption now?

[www.competoid.com]

- (a) $8\frac{1}{3}$ kg. (b) $8\frac{3}{4}$ kg.
(c) $8\frac{1}{2}$ kg. (d) 9 kg. @@

Answer: $8\frac{1}{3}$ kg.

The price of Maruti car rises by 30 percent while the sales of the car come down by 20%. What is the percentage change in the total revenue?

[www.examveda.com]

- (a) - 4% (b) - 2%
(c) + 4% (d) + 2%
(e) None of these (c)

The price of petrol is increased by 25%. By how much percent a car owner should reduce his consumption of petrol so that the

expenditure on petrol would not be increased ?

[www.competoid.com]

- (a) 25% (b) 30%
(c) 50% (d) 20%

@@

Answer: 20%

The price of raw materials has gone up by 15%, labor cost has also increased from 25% of the cost of raw material to 30% of the cost of raw material. By how much percentage should there be reduction in the usage of raw materials so as to keep the cost same?

[www.examveda.com]

- (a) 28% (b) 17%
(c) 27% (d) 24%
(e) Cannot determined

The price of rice decreases by 6.25% and because of this reduction, Vandana is able to buy 1 kg more for Rs.120. Find the reduced rate of rice.

[www.competoid.com]

- (a) Rs.7.50 per kg (b) Rs.9 per kg
(c) Rs.5.50 per kg (d) Rs.19 per kg

@@

Answer: Rs.7.50 per kg

The price of rice falls by 20%. How much rice can be bought now with the money that was sufficient to buy 20 kg of rice previously?

[www.examveda.com]

- (a) 5 kg (b) 15 kg
(c) 25 kg (d) 30 kg

(c)

The price of rice has increased by 60%. In order to restore the original price, the new price must be reduced by

[www.competoid.com]

- (a) $33\frac{1}{3}\%$ (b) $37\frac{1}{2}\%$
(c) 40% (d) 45%

@@

Answer: $37\frac{1}{2}\%$

The price of rice is reduced by 5%. How many kilograms of rice can now be bought for the money, which was sufficient to buy 50 kg of rice earlier?

[www.competoid.com]

- (a) 52.63 kg (b) 50.40 kg
(c) 42.30 kg (d) 60.50 kg

@@

Answer: 52.63 kg

The price of sugar is increased by 20%. If the expenditure on sugar has to be kept the same as earlier, the ratio between the

reduction in consumption and the original consumption is:

[www.competoid.com]

- (a) 1 : 3 (b) 1 : 4
(c) 1 : 6 (d) 1 : 5

@@

Answer: 1 : 6

The price of sugar is increased by 25%. If a family wants to keep its expenses on sugar unaltered, then the family will have to reduce the consumption of sugar by

[www.competoid.com]

- (a) 20% (b) 21%
(c) 22% (d) 25%

@@

Answer: 20%

The price of sugar is reduced by 20%. Now a person can buy 500g more sugar for ? 36. The original price of the sugar per kilogram was:

[www.competoid.com]

- (a) Rs. 14.40 (b) Rs.18
(c) Rs.15.60 (d) Rs.16.50

@@

Answer: Rs.18

The price of sugar is reduced by 25% but its consumption is increased by 20%. How many percent of the increased consumption should they increase more so as to keep the same expenditure?

[www.competoid.com]

- (a) $15\frac{1}{9}\%$ (b) $11\frac{1}{9}\%$
(c) $10\frac{7}{9}\%$ (d) $10\frac{1}{9}\%$

@@

Answer: $11\frac{1}{9}\%$

The price of the sugar rise by 25%. If a family wants to keep their expenses on sugar the same as earlier, the family will have to decrease its consumption of sugar by

[www.examveda.com]

- (a) 25% (b) 20%
(c) 80% (d) 75%

(b)

The prices of two articles are as 3: 4. If the price of the first article is increased by 10% and that of the second by Rs.4, one original ratio remains the same. The original price of the second article is

[www.competoid.com]

- (a) Rs.40 (b) Rs.10
(c) Rs.30 (d) Rs.35

@@

Answer: Rs.40

- ## The radius of a Circle is increased by 100%. The percentage increase in its area is

[www.competoid.com]

- (a) 50 (b) 100
(c) 150 (d) 300

@@

Answer: 300

- ## The rate of increase of the price of sugar is observed to be two percent more than the inflation rate expressed in percentage. The price of sugar, on January 1, 1994 is Rs. 20 per kg. The inflation rates of the years 1994 and 1995 are expected to be 8% each. The expected price of sugar on January 1, 1996 would be

[www.examveda.com]

- (a) Rs. 23.60 (b) Rs. 24
(c) Rs. 24.20 (d) Rs. 24.60
(e) None of these

c

- ## The ratio 5 : 4 expressed as a percent equals :

[www.competoid.com]

- (a) 125% (b) 80%
(c) 40% (d) 12.5%

@@

Answer: 125%

- ## The ratio of number of boys and girls in a school 720 students is 7 : 5. How many more girls should be admitted to make the ratio 1 : 1 ?

[www.examveda.com; www.competoid.com]

- (a) 90 (b) 120
(c) 220 (d) 240

b

- ## The ratio of the number of boys and girls in school is 8 : 12. If 50% of boys and 25% of girls are getting scholarships for their studies, what is the percentage of school students who are not getting any scholarships ?

[www.competoid.com]

- (a) 65% (b) 66%
(c) 67% (d) 68%

@@

Answer: 65%

- ## The ratio of the number of boys to that of girls in a school is 4 : 1. If 75% of boys and 70% of the girls are scholarship holders, then the percentage of students who do not get scholarship is :

[www.examveda.com; www.competoid.com]

- (a) 50% (b) 28%
(c) 75% (d) 26%

d

- ## The ratio of the prices of two house A and B was 4 : 5 last year. This year, the price of A is increased by 25% and that of B by Rs.50000. If their price are now in the ratio 9 : 10. the price of A last year was

[www.competoid.com]

- (a) Rs. 360000 (b) Rs. 450000
(c) Rs. 480000 (d) Rs. 500000

@@

Answer: Rs. 360000

- ## The ratio of two numbers is 4 : 5. when the first is increased by 20% and the second is decreased by 20% , then the ratio of the resulting numbers is:

[www.competoid.com]

- (a) 4 : 5 (b) 5 : 4
(c) 5 : 6 (d) 6 : 5

@@

Answer: 6 : 5

- ## The red blood cells in a blood sample grows by 10% per hour in first two hours, decreases by 10% in next one hour, remains constant in next one hour and again increases by 5% per hour in next two hours. If the original count of the red blood cells in the sample is 40000, find the approximate red blood cell count at the end of 6 hours.

[www.competoid.com]

- (a) 40000 (b) 45025
(c) 48025 (d) 50025

@@

Answer: 48025

- ## The respective ratio between the monthly salaries of Rene and Som is 5 : 3. Out of her monthly salary Rene gives $\frac{1}{6}$ th as rent, $\frac{1}{5}$ th to her mother, 30% as her education loan and keeps 25% aside for miscellaneous expenditure. Remaining Rs. 5000 she keeps as savings. What is Som's monthly salary ?

[www.competoid.com]

- (a) Rs. 21000 (b) Rs. 24000
(c) Rs. 27000 (d) Rs. 36000

@@

Answer: Rs. 36000

- ## The respective ratio between total number of students studying in College A and College B is 5 : 8. In College B, out of the total number of students, $\frac{1}{5}$ th are boys. out of which 6000 study Commerce and the remaining 800 boys study in other streams. What is the total number of students in College A?

- (a) 1500 (b) 2500
(c) 1200 (d) 2000 @@

Answer: 2000

The salary of a person is decreased by 25% and then the decreased salary is increased by 25%. His new salary in comparison with his original salary is:

- (a) the same (b) 6.25% more
(c) 6.25% less (d) 0.625% less @@

Answer: 6.25% less

The salary of an employee of a company increases every month by 4%. If his salary in August was Rs.6300, then what would be his approximate salary in month of October of the same year?

- (a) Rs.6552 (b) Rs.6967
(c) Rs.6814 (d) Rs.6627 @@

Answer: Rs.6814

The schedule working hour of a labour in a week is 48 hours and he gets Rs. 480 for that. Over time rate is 25% more than the basic salary rate. In a week a labour gets Rs. 605, how many hours altogether he works in that week.

- (a) 49 hours (b) 52 hours
(c) 55 hours (d) 58 hours (d)

The selling price of a certain commodity was reduced by 25%. As a result of it, the sale was increased by 30%. What was the effect of it on cash collected by daily sale?

- (a) 5% increase (b) 5% decrease
(c) 2.5% increase (d) 2.5% decrease @@

Answer: 2.5% decrease

The shopkeeper increased the price of a product by 25% so that customer finds difficult to purchase the required amount. But Somehow the customer managed to purchase only 70% of the required amount. What is the net difference in the expenditure on that product ?

- (a) 55 more (b) 10% more
(c) 12.5% less (d) 17.5% less
(e) None of these (c)

The single discount equivalent to a series of discounts 20%, 10% and 25% is

- (a) 35% (b) 40%
(c) 46% (d) 55% @@

Answer: 46%

The single equivalent discount of two successive discounts 20% and 10% is

- (a) 30% (b) 32%
(c) 35% (d) 28% @@

Answer: 28%

The square of a positive number is 2000% greater than the number itself, then the square of that number is :

- (a) 1762 (b) 1635
(c) 441 (d) 139 (c)

The strength of a school increases and decreases every alternate year. It starts with increase by 10% and thereafter the percentage of increase/decrease is the same. Which of the following is definitely true about the strength of the school in 2000 as compared to that in 1996?

- (a) Increase approximately
by 2%
(b) Decrease approximately
by 2%
(c) Increase approximately
by 20%
(d) Decrease approximately
by 20% @@

Answer: Decrease approximately by 2%

The strength of a school increases and decreases in every alternate year by 10%. It started with increase in 2000, then the strength of the school in 2003 as compared to that in 2000 was:

- (a) increased by 8.9% (b) decreased by 8.9%
(c) increased by 9.8% (d) decreased by 9.8% @@

Answer: increased by 8.9%

The sum of 15% of a positive number and 20% of the same number is 126. What is one-third of that number?

- (a) 360 (b) 1080
(c) 120 (d) 40 @@

Answer: 120

The tank-full of petrol in Arun's motor-cycle lasts for 10 days. If he starts using 25% more everyday, how many days will the tank-full of petrol last?

[www.competoid.com]

- (a) 5 (b) 6
(c) 7 (d) 8

@@

Answer: 8

The tax imposed on an article is decreased by 10% and its consumption is increased by 10%. Find the percentage change in revenue from it.

[www.examveda.com; www.competoid.com]

- (a) 10% increase (b) 2% decrease
(c) 1% decrease (d) 11% increase

C

The time duration of 1 hour 45 minutes is what percent of a day?

[www.competoid.com]

- (a) 7.218 (b) 7.291
(c) 8.3 (d) 8.24

@@

Answer: 7.291

The total emoluments of A and B are equal. However, A gets 65% of his basic salary as allowances and B gets 80% of his basic salary as allowances. What is the ratio of the basic salaries of A and B?

[www.examveda.com]

- (a) 16 : 13 (b) 5 : 7
(c) 12 : 11 (d) 7 : 9

C

The value of a machine depreciates by 5% every year. If its present value is Rs.2,00,000, its value after 2 years will be:

[www.competoid.com]

- (a) Rs.1,80,500 (b) Rs.199,000
(c) Rs.1,80,000 (d) Rs.2,10,000

@@

Answer: Rs.1,80,500

The value of a machine is Rs. 6250. It decreases by 10% during the first year, 20% during the second year and 30% during the third year, What will be the value of the machine after 3 years?

[www.examveda.com; www.competoid.com]

- (a) Rs. 2650 (b) Rs. 3050
(c) Rs. 3150 (d) Rs. 3510

C

The value of a property depreciates every year by 10% of its value at the beginning of the year. The present value of the property is Rs. 8100. What was its value 2 years ago?

[www.examveda.com]

- (a) Rs. 10000 (b) Rs. $\left(\frac{90}{100}\right)^2 \times 100$

- (c) Rs. $\left(\frac{100}{101}\right)^2 \times 8100$ (d) Rs. 9801

a

The value of a property depreciates every year by 10% of its value at the beginning of the year. The present value of the property is Rs.8100. What was its value 2 years ago?

[www.competoid.com]

- (a) Rs.10,000 (b)

Rs. $(90/100)^2 \times 100$ (c) $(90/100)^2 \times 100$

- (c) Rs. $(100/101)^2 \times 8100$ (d) $(100/101)^2 \times 8100$
Rs.9801

@@

Answer: Rs.10,000

The value of an equipment depreciates by 20% each year. How much less will the value of the equipment be after 3 years?

[www.competoid.com]

- (a) 48.8% (b) 51.2%
(c) 54% (d) 60%

@@

Answer: 48.8%

The value of the machinery depreciates 20% annually. What will be its value after 2 years if its present value is Rs. 6400.

[www.competoid.com]

- (a) Rs.4800 (b) Rs.5096
(c) Rs.5200 (d) Rs.4096

@@

Answer: Rs.4096

The value of which of the following fractions is less than twenty percent?

[www.examveda.com; www.competoid.com]

- (a) $\frac{5}{61}$ (b) $\frac{2}{3}$
(c) $\frac{2}{5}$ (d) $\frac{1}{4}$
(e) $\frac{2}{11}$

e

The volume of the sphere Q is $\left(\frac{37}{64}\right)\%$ less than the volume of sphere P and the volume of sphere R is $\left(\frac{19}{27}\right)\%$ less than that of sphere Q. By what is the surface area of sphere R less than the surface area of sphere P?

[www.lofoya.com]

- (a) 77.77% (b) 87.5%
(c) 75% (d) 67.5%

C

The weight of an empty bottle is 20% of the weight of bottle when filled with some liquid. Some of the liquid has been removed. Then,

the bottle, along with the remaining liquid, weighed half of the original weight. What fractional part of the liquid has been removed ?

[www.competoid.com]

- (a) $\frac{2}{3}$ (b) $\frac{3}{9}$
(c) $\frac{2}{5}$ (d) None of these @@

Answer: None of these

There are 1240 employees in an organisation. Out of which, 25% are promoted. How many such employees are there who got promotion?

[www.competoid.com]

- (a) 398 (b) 345
(c) 310 (d) 372 @@

Answer: 310

There are five boxes in a cargo hold. The weight of the first box is 200 kg and the weight of the second box is 20% higher than the weight of the third box, whose weight is 25% higher than the first box. The fourth box at 350 kg is 30% higher than the fifth box. The difference in average weight of the four heaviest boxes and the four lightest boxes is

[www.competoid.com]

- (a) 51.5 kg (b) 75 kg
(c) 37.5 kg (d) 112.5 kg @@

Answer: 75 kg

There is a 4% increase in volume when a liquid freezes to its solid state. The percentage decrease when solid melts to liquid again, is

[www.competoid.com]

- (a) $3\frac{3}{13}\%$ (b) 4%
(c) $4\frac{1}{13}\%$ (d) $3\frac{11}{13}\%$ @@

Answer: $3\frac{11}{13}\%$

There is a ratio of 5 : 4 between two numbers. If 40% of the first number is 12, then what would be 50% of the second number ?

[www.examveda.com; www.competoid.com]

- (a) 12 (b) 24
(c) 18 (d) Data Inadequate (a)

Three sets of 40, 50 and 60 students appeared for an examination and the pass percentage

was 100., 90 and 80 respectively. The pass Percentage of the whole set is

[www.competoid.com]

- (a) $88\frac{2}{3}\%$ (b) $84\frac{2}{3}\%$
(c) $88\frac{1}{3}\%$ (d) $84\frac{1}{3}\%$ @@

Answer: $88\frac{2}{3}\%$

Ticket for all but 100 seats in a 10000 seat stadium were sold. Of the ticket sold, 20% were sold at half price and the remaining tickets were sold at the full price of Rs. 20. The total revenue from the ticket sales, (in Rs.) was :

[www.examveda.com; www.competoid.com]

- (a) 158400 (b) 178200
(c) 180000 (d) 198000 (b)

Tom gave 20% of a certain amount of money to Ali. From the money Ali received, he spent 25% on school fees and 35% on buying school uniform. After the mentioned expenses, Ali had Rs. 2800 remaining with him. How much money did Tom have initially?

[www.competoid.com]

- (a) Rs. 21,000 (b) Rs. 35,000
(c) Rs. 30,000 (d) Rs. 27,000 @@

Answer: Rs. 35,000

Tulsiram's salary is 20% more than that of Kashyap. If Tulsiram saves Rs. 720 which is 4% of his salary, then Kashyap's salary is :

[www.examveda.com; www.competoid.com]

- (a) Rs. 15000 (b) Rs. 12000
(c) Rs. 10000 (d) Rs. 22000 (a)

Twenty per cent of Anuj's annual salary is equal to seventy five percent of Raj's annual salary. Rat's monthly salary is 60% of Ravi's monthly salary. If Ravi's annual salary is Rs. 1.44 lacs, what is Anuj's monthly salary ?

[www.competoid.com]

- (a) Rs. 2,70,000 (b) Rs. 27,000
(c) Rs. 3,24,000 (d) Rs. 5,400 @@

Answer: Rs. 27,000

Two candidates fought an election. One of them got 6400 of the total votes polled and won with 992 votes. What was the total number of votes polled?

[www.competoid.com]

- (a) 1500 (b) 1580
(c) 1550 (d) None of these @@

Answer: None of these

Two discount of 8% and 12% are equal to a single discount of:

[www.examveda.com]

- (a) 20% (b) 19.04%
(c) 22.96% (d) 22% **(b)**

Two merchants sell, each an article for Rs.1000. If Merchant A computes his profit on cost price, while Merchant B computes his profit on selling price, they end up making profits of 25% respectively. By how much is the profit made by Merchant BB greater than that of Merchant A?

[www.lofoya.com]

- (a) Rs.50.00 (b) Rs.66.67
(c) Rs.75.00 (d) Rs.150.00 **(a)**

Two number are respectively 20% and 50% more than a third number. Then the ratio of the two numbers is:

[www.competoid.com]

- (a) 2 : 5 (b) 3 : 5
(c) 4 : 5 (d) 6 : 7 **(a)**

Answer: 4 : 5

Two numbers are in the ratio 2 : 3. If 20% of the smaller number added to 20, is equal to the sum of 10% of the larger number and 25, the the smaller number is :

[www.examveda.com; www.competoid.com]

- (a) 100 (b) 160
(c) 180 (d) 200 **(a)**

Two numbers are less than a third number by 30% and 37% respectively. The percent by which the second number is less than the first is:

[www.competoid.com]

- (a) 10% (b) 7%
(c) 4% (d) 3% **(a)**

Answer: 10%

Two numbers are less than the third number by 50% and 54% respectively. By how

much per cent is the second number less than the first number ?

[www.competoid.com]

- (a) 13.00% (b) 10.00%
(c) 12.00% (d) None of these **(a)**

Answer: None of these

Two numbers are more than the third number by 20% and 50% respectively . Find the first number is what percent of the

second number ?

[www.competoid.com]

- (a) 100% (b) 150%
(c) 80% (d) 120% **(a)**

Answer: 80%

Two numbers are respectively 20% and 50% more than a 3rd number. What is the percentage of 2nd with respect to 1st?

[www.competoid.com]

- (a) 125% (b) 90%
(c) 80% (d) 75% **(a)**

Answer: 125%

Two numbers are respectively 20% and 50% of a third number. What per cent is the first number of second?

[www.examveda.com; www.competoid.com]

- (a) 10% (b) 20%
(c) 30% (d) 40% **(d)**

Two persons contested an election of Parliament. The winning candidate secured 57% of the total votes polled and won by a majority of 42000 votes. The number of total votes polled is :

[www.examveda.com; www.competoid.com]

- (a) 500000 (b) 600000
(c) 300000 (d) 400000 **(c)**

Two persons Raj and Ramu started working for a company in similar jobs on January 1, 1991. Raj's initial monthly salary was Rs 400, which increases by Rs 40 after every year. Ramu's initial monthly salary was Rs 500 which increases by Rs 20 after every six months. If these arrangements continue till December 31, 2000. Find the total salary they received during that period.

[www.lofoya.com]

- (a) Rs 1,08,000 (b) Rs 1,44,000
(c) Rs 1,32,000 (d) Rs 1,52,400 **(d)**

Vaishali spent f 31,897 on the air conditioner for her home Rs.38,789 on buying plasma television and the remaining 2300 of the total amount she had as cash with her. What was the total amount?

[www.competoid.com]

- (a) Rs.74,625 (b) Rs.86,750
(c) Rs.91,800 (d) Cannot be determined **(a)**

Answer: Rs.91,800

Veena spends 25% of her monthly income on household expenses. Her annual income is Rs.4.32 lakh. What is the total amount that Veena spends on household expenses in 8 months together?

[www.competoid.com]

- (a) Rs.74000 (b) Rs.71000
(c) Rs.73000 (d) Rs.72000 @@

Answer: Rs.72000

Vessel A contains a mixture of orange juice and apple juice in the respective quantities of 16 litres and 4 litres, vessel B contains a mixture of orange juice and apple juice in the respective quantities of 24 litres and 6 litres. Mixtures from vessels A and B, are both mixed together in Vessel C. What is the resultant percentage of Apple juice in vessel C?

[www.competoid.com]

- (a) 20 (b) 25
(c) 10 (d) 30 @@

Answer: 20

Vicky's salary is 75% more than Ashu's. Vicky got a raise of 40% on his salary while Ashu got a raise of 25% on his salary. By what percent is Vicky's salary more than Ashu's?

[www.examveda.com]

- (a) 96% (b) 51.1%
(c) 90% (d) 52.1% a

Village A has a population of 6800, which is decreasing at the rate of 120 per year. Village B has a population of 4200, which is increasing at the rate of 80 per year. In how many years will the population of the two villages be equal?

[www.competoid.com]

- (a) 9 yr (b) 11 yr
(c) 13 yr (d) 15 yr @@

Answer: 13 yr

Vipul decided to donate 5% of his salary. On the day of donation he changed his mind and donated Rs.. 1687.50 which was 75% of what he had decided earlier. How much is Vipul's salary?

[www.competoid.com]

- (a) Rs. 37,500 (b) Rs.45,000
(c) Rs. 33,750 (d) Cannot be determined @@

Answer: Rs.45,000

Vishakha spent Rs. 68,357 on the renovation for her home. Rs. 25,675 on buying music system

and the remaining 28% of the total amount she had as cash with her. What was the total amount?

[www.competoid.com]

- (a) Rs. 94, 032 (b) Rs. 36,568
(c) Rs.1,30,600 (d) Cannot be determined @@

Answer: Rs.1,30,600

Water tax is increased by 20% but its consumption is decreased by 20%. Then the increase or decrease in the expenditure of the money is

[www.competoid.com]

- (a) 4% increase (b) 4% decrease
(c) No change (d) 5% decrease @@

Answer: 4% decrease

What % of a day is 30 minutes ?

[www.examveda.com; www.competoid.com]

- (a) 2.83 (b) 2.083
(c) 2.09 (d) 2.075 b

What is 20% of 25% of 300 ?

[www.examveda.com; www.competoid.com]

- (a) 150 (b) 60
(c) 45 (d) 15 d

What is 27% of 36% of $\frac{5}{9}$ of 4500 ?

[www.competoid.com]

- (a) 239 (b) 241
(c) 243 (d) 245 @@

Answer: 243

What is 32% of $\frac{3}{8}$ th of 5000?

[www.competoid.com]

- (a) 606 (b) 610
(c) 580 (d) 600 @@

Answer: 600

What is 5% of 50% of 500?

[www.competoid.com]

- (a) 12.5 (b) 25
(c) 1.25 (d) 6.25 @@

Answer: 12.5

What is 60% of a number whose 200% is 120.

[www.competoid.com]

- (a) 45 (b) 36
(c) 60 (d) 80 @@

Answer: 36

What is a percent of b divided by b percent of a?

[www.examveda.com]

- (a) a (b) b
(c) 1 (d) 10
(e) 100 (c)

What is the difference between 0.6 and 0.6%?

[www.examveda.com; www.competoid.com]

- (a) 5.94 (b) 0.594
(c) 60 (d) 54 (b)

What is the number whose $16\frac{2}{3}\%$ is 40.

[www.competoid.com]

- (a) 200 (b) 240
(c) 120 (d) 320 @@

Answer: 240

What is the percentage change in the result when we add 50 to a certain number x, instead of subtracting 50 from the same number x?

[www.examveda.com]

- (a) 50% (b) 75%
(c) 100% (d) 300%
(e) Can't be determined (e)

What is to be added to 15% of 160 so that the sum may be equal to 25% of 240?

[www.competoid.com]

- (a) 24 (b) 84
(c) 60 (d) 36 @@

Answer: 36

What percent of 3.6 kg is 72 gms.?

[www.competoid.com; www.examveda.com]

- (a) 32% (b) 22%
(c) 12% (d) 2% @@

Answer: 2%

What percent of 7.2 kg is 18 gms ?

[www.examveda.com]

- (a) 0.025% (b) 0.25%
(c) 2.5% (d) 25% (b)

What percent of 80 is 4?

[www.competoid.com]

- (a) 50 (b) 5
(c) 0.5 (d) 10 @@

Answer: 5

What percent of 88 is 33 ?

[www.examveda.com]

- (a) 34.5% (b) 35.5%
(c) 36.5% (d) 37.5% (d)

What percent of Rs. 2650 is Rs. 1987.50 ?

[www.examveda.com]

- (a) 60% (b) 75%
(c) 80% (d) 90% (b)

What should come in place of the question mark (?), so that it satisfies equality of the given equation? 32% of $750 = ?$

[www.competoid.com]

- (a) 23% of 600 (b) 46% of 207
(c) 98% of 250 (d) 75% of 320 @@

Answer: 75% of 320

What will be 25% of 64?

[www.competoid.com]

- (a) 16 (b) 48
(c) 84 (d) 64 @@

Answer: 16

What will be the answer : 140% of $56 + 56\%$ of $140 = ?$

[www.examveda.com]

- (a) 78.4 (b) 87.4
(c) 156.6 (d) 158.6
(e) None of these (e)

What will be the percentage of increase in the area of square when each of the its sides is increased by 10%?

[www.competoid.com]

- (a) 20 (b) 11
(c) 121 (d) 21 @@

Answer: 21

What would be the break-even point (defined as no profit, no loss situation) for KK's factory in term of sales?

[www.lofoya.com]

- (a) Rs 80 lac (b) Rs 100 lac
(c) Rs 120 lac (d) Rs 140 lac (a)

Wheat is now being sold at Rs.27 per kg. During last month, its cost was Rs.24 per kg. Find by how much per cent a family reduces its consumption, so as to keep the expenditure fixed.

[www.competoid.com]

- (a) 10.2% (b) 12.1%
(c) 12.3% (d) 11.1% @@

Answer: 11.1%

When 25% of a number is added to 60, the result is the number again. Find the number.

[www.competoid.com]

- (a) 60 (b) 90
(c) 120 (d) 80 @@

Answer: 80

When 35 is subtracted from a number, it reduces to its 80%. What is $\frac{4}{5}$ th of that number?

[www.competoid.com]

- (a) 70 (b) 90
(c) 120 (d) 140

@@

Answer: 140

When 60 is subtracted from 60% of a number, the result is 60. The number is :

[www.examveda.com; www.competoid.com]

- (a) 120 (b) 150
(c) 180 (d) 200

d

When 60% of a number is subtracted from another number, the second number reduces to its 52%, the ratio of the first number to the second number is :

[www.examveda.com; www.competoid.com]

- (a) 6 : 5 (b) 5 : 3
(c) 5 : 4 (d) 4 : 5

d

When 75 added to 75% of a number, the answer is the number. Find 40% of that number.

[www.examveda.com; www.competoid.com]

- (a) 100 (b) 80
(c) 120 (d) 160

c

When processing flower-nectar into honeybees' extract, a considerable amount of water gets reduced. How much flower-nectar must be processed to yield 1kg of honey, if nectar contains 50 water, and the honey obtained from this nectar contains 15 water?

[www.lofoya.com]

- (a) 1.5 kgs (b) 1.7 kgs
(c) 3.33 kgs (d) None of these

b

When the price of an article was reduce by 20%, its sale increased by 80%. What was the net effect on the sale ?

[www.examveda.com; www.competoid.com]

- (a) 44% increase (b) 44% decrease
(c) 66% increase (d) 75% increase

a

When the price of cloth was reduced by 25%, the quantity of cloth sold increased by 20%. What was the effect on gross receipt of the shop?

[www.competoid.com]

- (a) 5% increase (b) 5% decrease
(c) 10% increase (d) 10% decrease

@@

Answer: 10% decrease

When the price of sugar decreased by 10%, a man could buy 1 kg more for Rs.270. Then the original price of sugar per kg is:

[www.competoid.com]

- (a) Rs.25 (b) Rs.30
(c) Rs.27 (d) Rs.32

@@

Answer: Rs.30

Which number is 40% less than 60.

[www.competoid.com]

- (a) 36 (b) 24
(c) 46 (d) 60

@@

Answer: 36

Which number is 40% less than 90% of 100?

[www.competoid.com]

- (a) 36 (b) 54
(c) 50 (d) 60

@@

Answer: 54

Which of the following multipliers will cause a number to be increased by 25.3% ?

[www.competoid.com]

- (a) 12.53 (b) 125.3
(c) 1.253 (d) 1253

@@

Answer: 1.253

Which one of the following is the same as 20% of 30% of 480?

[www.competoid.com]

- (a) 15% of 40% of 240 (b) 40% of 15% of 480
(c) 10% of 60% of 240 (d) 20% of 60% of 360

@@

Answer: 40% of 15% of 480

$x * 12 = 75\%$ of 336 Find x.

[www.examveda.com]

- (a) 27 (b) 25
(c) 21 (d) 19

c

X earns Rs. 8000 per month. He spends 80% of it for his house. From the balance he spends 20% for entertainment. What is the amount left with him.

[www.competoid.com]

- (a) Rs.1200 (b) Rs.1250
(c) Rs.1280 (d) Rs.1300

@@

Answer: Rs.1280

X has twice as much money as that of Y and Y has 50% more money than that of Z. If the average money of all of them is Rs. 110, then the money, which X has is :

[www.examveda.com; www.competoid.com]

- (a) Rs. 55 (b) Rs. 60
(c) Rs. 90 (d) Rs. 180

d

X's income is 20% more than that of Y.
What per cent is Y's income less than X?

[www.competoid.com]

- (a) $83\frac{1}{3}\%$ (b) $16\frac{2}{3}\%$
(c) $83\frac{2}{3}\%$ (d) $16\frac{1}{3}\%$ @@

Answer: 1623%1623%

A reduction in the price of apples enable person to purchase 3 apples for Rs.1 instead of Rs.125. What is the % of reduce

[www.competoid.com]

- (a) 20% (b) 25%

- (c) 30% (d) $33\frac{1}{3}\%$ @@

Answer: 20%20%

In 1998, ratio of the numbers of students taking examinations in x and z states are respectively 3 : 5 : 6. Next year, the numbers of students are increased by 20%, 10% and 20% respectively. If ratio of the numbers of students in states x and z is 1 : 2, then find the number of students who sit to take examination in 1998.

[www.competoid.com]

- (a) 5000 (b) 6000
(c) 75000 (d) Data is insufficient @@

Answer: Data is insufficient

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12

Profit and Loss

10% discount and then 20% discount in succession is equivalent to total discount of

[www.competoid.com]

- (a) 15% (b) 30%
(c) 24% (d) 28% **d**

12 copies of a book were sold for Rs. 1800/- there by gaining cost price of 3 copies. The cost price of a copy is :

[www.competoid.com]

- (a) Rs. 120/- (b) Rs. 150/-
(c) Rs. 1200/- (d) Rs. 1500/- **@@**

Answer: Rs. 120/-

4% of the selling price of article is equal to 5% of its cost price. Again 20% of the selling price is Rs. 120 more than 22% of its cost price. The ratio of cost price & selling price is

[www.competoid.com]

- (a) 2 : 3 (b) 3 : 2
(c) 4 : 5 (d) 5 : 4 **@@**

Answer: 4 : 5

A & B jointly made a profit of Rs. 1650 and they decided to share it such that 1/3 of As profit is equal to 2/5 of B's profit. Then profit of B is

[www.competoid.com]

- (a) Rs. 700 (b) Rs. 750
(c) Rs. 850 (d) Rs. 800 **b**

A bicycle is sold for Rs.935 at a profit of 10%. The actual profit or loss if it had been sold for Rs.810 will be

[www.competoid.com]

- (a) Rs.50 (b) Rs.42
(c) Rs.40 (d) Rs.30 **c**

A bicycle marked at Rs. 2,000, is sold with two successive discount of 20% and 10%.An additional discount of 5% is offered for cash payment. The selling price of the bicycle at cash payment is:

[www.examveda.com]

- (a) Rs. 1,368 (b) Rs. 1,468
(c) Rs. 1,568 (d) Rs. 1,668 **a**

A book seller allowed 10% discount on printed price. He gets 30% commission from publisher. His profit in percent will be?

[www.examveda.com; www.competoid.com]

- (a) 20% (b) $28\frac{4}{7}\%$
(c) 25% (d) $28\frac{3}{7}\%$ **b**

A book vendor sold a book at loss of 10% . Had he sold it for Rs. 108 more, he would have earned a profit of 10% . Find the cost of the book = ?

[www.examveda.com; www.competoid.com]

- (a) Rs. 442 (b) Rs. 540
(c) Rs. 648 (d) Rs. 740 **b**

A book-seller bought 200 textbooks for Rs. 12,000. He wanted to sell them at a profit so that he got 20 books free. At what profit percent should he sell them ?

[www.competoid.com]

- (a) 10 (b) 11
(c) 11.5 (d) 12 **a**

A bookseller procures 40 books for Rs. 3200 and sells them at a profit equal to the selling price of 8 books. What is the selling price of one dozen books, if the price of each book is same?

[www.examveda.com]

- (a) Rs. 720 (b) Rs. 960
(c) Rs. 1200 (d) Rs. 1440 **c**

A bought an article, paying 5% less than the original price. A sold it with 20% profit on the price he had paid. What percent of profit did A earn on the original price = ?

[www.examveda.com; www.competoid.com]

- (a) 10 (b) 13
(c) 14 (d) 172 **c**

A business man allows a discount of 15% on the marked price for cash and he makes a profit of 20%. What is the marked price of an article which costs him Rs.170?

[www.competoid.com]

- (a) Rs.240 (b) Rs.360
(c) Rs.480 (d) Rs.540 **a**

A cloth merchant sold half of his cloth at 40% profit, half of remaining at 40% loss and the rest was sold at the cost price. In the total transaction his gain or loss will be = ?

[www.examveda.com; www.competoid.com]

- (a) 20% gain (b) 25% loss

- © 10% gain ④ 15% loss **C**
- ## A dairyman pays Rs.6.4 per litre of milk. He adds water and sells the mixture at Rs.8 per litre, thereby making 37.5% profit. The proportion of water to milk received by the customers is [www.competoid.com]
- ① 1 : 15 ② 1 : 10
③ 1 : 20 ④ 1 : 21 **B**
- ## A dishonest dealer professes to sell his goods at cost price but uses a weight of 875 gms for the kilogram weight. His gain in the percentage is = ? [www.examveda.com; www.competoid.com]
- ① 17% ② $4\frac{5}{7}\%$
③ $14\frac{2}{7}\%$ ④ 14% **C**
- ## A dishonest dealer professes to sell his goods at the cost price but uses a false weight of 850 g. instead of 1 kg. his gain percent is = ? [www.examveda.com; www.competoid.com]
- ① $17\frac{12}{17}\%$ ② $17\frac{11}{17}\%$
③ $71\frac{11}{17}\%$ ④ $11\frac{11}{17}\%$ **B**
- ## A dishonest grocer sells rice at a profit of 10% and uses weight which are 20% less than the marked weight. The total gain earned by him will be = ? [www.examveda.com; www.competoid.com]
- ① 37.5% ② 32%
③ 30.5% ④ 35% **A**
- ## A got 30% concession on the label price of an article and sold for Rs. 8750 with 25% profit on the price he bought. The label price was = ? [www.examveda.com; www.competoid.com]
- ① Rs. 13000 ② Rs. 16000
③ Rs. 12000 ④ Rs. 10000 **D**
- ## A man bought two cows for Rs.4800. He sold one at a loss of 15% and another at a profit of 15% and found that each of the cow was sold for the same price. Find the cost price of each cow? [www.competoid.com]
- ① Rs.2040, Rs.2760 ② Rs.2800, Rs.2000
③ Rs.3000, Rs.1800 ④ Rs.2600, Rs.2200 **A**
- ## A man bought two goats for Rs. 1008. He sold one at a loss of 20% and other at a profit of 44% if each goat was sold for the same price the cost price of the goat which

was sold at loss, was = ?

[www.examveda.com; www.competoid.com]

- ① Rs. 648 ② Rs. 360
③ Rs. 568 ④ Rs. 440 **A**

- ## A man buys a cycle for Rs. 1400 and sells it at a loss of 15%. What is the selling price of the cycle?

[www.examveda.com; www.indiabix.com; www.competoid.com]

- ① Rs. 1090 ② Rs. 1160
③ Rs. 1190 ④ Rs. 1202 **C**

- ## A man buys a field of agricultural land for Rs. 3,60,000. He sells two-fifths at a gain of 25%. At what price must he sell the remaining field so as to make an overall profit of 10%?

[www.competoid.com]

- ① Rs. 1,00,000 ② Rs. 1,15,000
③ Rs. 2,16,000 ④ Rs. 1,25,000 @@

Answer: Rs. 2,16,000

- ## A man purchased an article for Rs. 1500 and sold it at 25% above the cost price. If he has to pay Rs. 75 as tax on it his net profit percentage will be = ? [www.examveda.com; www.competoid.com]

- ① 25% ② 30%
③ 15% ④ 20% **D**

- ## A manufacturer fixes his selling price $33\frac{1}{3}\%$ over the cost of production. If cost of production goes up by 12% and manufacturer raises his selling price by 10%, his percentage profit is = ? [www.examveda.com; www.competoid.com]

- ① $36\frac{5}{9}\%$ ② $30\frac{20}{21}\%$
③ 35% ④ $28\frac{3}{8}\%$ **B**

- ## A merchant fixed the selling price of his articles at Rs.700 after adding 40% profit to the cost price. As the sale was very low at this price level. he decided to fix the selling price at 10% profit. Find the new selling price

[www.competoid.com]

- ① Rs.450 ② Rs.490
③ Rs.500 ④ Rs.550 **D**

- ## A merchant fixes the sale price of his goods at 15% above the cost price. He sells his goods at 12% less than the fixed price. His

percentage of profit is:

[www.competoid.com]

- (a) $2\frac{1}{2}$ (b) $1\frac{1}{5}$
(c) $1\frac{1}{2}$ (d) 2

@@

Answer: 115115

A milkman makes 20% profit by selling milk mixed with water at Rs. 9 per litre, if the cost price of 1 litre pure milk is Rs. 10, then the ratio of milk and water in the said mixture is = ?

[www.examveda.com; www.competoid.com]

- (a) 3 : 1 (b) 4 : 1
(c) 3 : 2 (d) 4 : 3

a

A person buys 100 cups at Rs. 10 each. On the way 20 cups are broken. He sells the remaining cups at Rs. 11 each. His loss per cent is

[www.competoid.com]

- (a) 15 (b) 10
(c) $17\frac{1}{2}$ (d) 12

d

A person buys a bag at 25% discount on its original price. After few days, he sells it to his friend at 40% increase on the original price. What is his profit percentage (approx) ?

[www.examveda.com; www.competoid.com]

- (a) 75% (b) 80%
(c) 87% (d) 85%

c

A person buys an article for Rs. p and sells it for Rs. q thereby gaining r% . The selling price in terms of cost price may be written as -

[www.examveda.com]

- (a) $\frac{pr}{100}$ (b) $\frac{r(100+p)}{100}$
(c) $\frac{p(100+r)}{100}$ (d) $\frac{p(100-r)}{100}$

c

A person had deposited Rs.13200 in a bank which pays 14% interest. He withdraws the money and invests in Rs.100 stock at Rs.110 which pays a dividend of 15%. How much does he gain or loss?

[www.competoid.com]

- (a) Loss Rs.48 (b) Gain Rs. 48
(c) Loss Rs.132 (d) Gain Rs.132

@@

Answer: Loss Rs.48

A person having bought goods for Rs. 400 sells half of it at a gain of 5%, at what gain % must he sell the remainder so as to gain

20% on the whole?

[www.examveda.com]

- (a) 30% (b) 32%
(c) 34% (d) 35%

d

A person purchased 11 articles for Rs.10 and at 10 articles for Rs.11. Find the gain percentage.

[www.competoid.com]

- (a) 22 (b) 20
(c) 1 (d) 21

d

A person purchased a horse and a carriage for Rs.1800. He sold the horse at a profit of 20% and the carriage at a profit of 30%. His total profit was $25\frac{5}{6}\%$. Find the cost price of the horse.

[www.competoid.com]

- (a) Rs.1050, 750 (b) Rs.1000, 800
(c) Rs.1200, 600 (d) Rs.1100, 700

a

A person sold an article at 20% profit on the selling price. After wards, when the cost price reduced by 10%, then he also reduced the selling price by 10%. His percentage of profit cost price will be

[www.competoid.com]

- (a) 30 (b) 25
(c) 22.5 (d) 12.5

b

A piece of land came to a person through three middleman each gaining 20%. If the person purchased the land for Rs. 345600 the original cost of the land was =

[www.examveda.com; www.competoid.com]

- (a) Rs. 100000 (b) Rs. 150000
(c) Rs. 175800 (d) Rs. 200000

d

A publisher printed 2000 copies of a book at a cost of Rs. 70000. He distributes 400 copies free as specimen copies. He ave 30% discount on marked price of each book which is Rs. 75. What is his gain or loss percent age = ?

[www.examveda.com; www.competoid.com]

- (a) 20% gain (b) 20% loss
(c) 10% loss (d) 10% gain

a

A radio dealer sold a radio at a loss of 2.5%. Had he sold it for Rs. 100 more. he would have gained $7\frac{1}{2}\%$. In order to gain $12\frac{1}{2}\%$ he should sell it for

[www.competoid.com]

- (a) Rs. 1080 (b) Rs 1125
(c) Rs. 850 (d) Rs. 925

b

A refrigerator and a camera were sold for Rs. 12000 each. The refrigerator was sold at a loss of 20% of the cost and camera at a gain of 20% of the cost. The entire transaction results in which one of the following?

[www.competoid.com]

- (a) No loss or gain (b) Loss of Rs. 1000
(c) Gain of Rs. 1000 (d) Loss of Rs. 2000 **(b)**

A salesman expects a gain of 13% on his cost price. If in a month, his sale was Rs.791000, what was his profit?

[www.competoid.com]

- (a) Rs.91000 (b) Rs.97786
(c) Rs.85659 (d) Rs.88300 **(a)**

A seller offers 25% discount on marked price and thus gain 20%. If his profit in selling an article is Rs.40, then its market price will be

[www.competoid.com]

- (a) Rs.300 (b) Rs.320
(c) Rs.350 (d) Rs.375 **@@**

Answer: Rs.320

A seller uses 920 g in place of one kg to sell his goods. When he sells his article at 15% gain on cost price, the actual percentage of profit is

[www.competoid.com]

- (a) 20% (b) 15%
(c) 25% (d) 30% **@@**

Answer: 25%

A sells a bicycle to B at a profit of 20% . B sells it to C at a profit of 25% . If C pays Rs. 225 for it, the cost price of the bicycle for A is = ?

[www.examveda.com; www.competoid.com]

- (a) Rs. 110 (b) Rs. 125
(c) Rs. 120 (d) Rs. 150 **(d)**

A sells a cycle to B at a profit of 10% , B sells to C at a profit of 20% . If C pays Rs. 264 for it, how much did A pay for it ?

[www.examveda.com; www.competoid.com]

- (a) Rs. 200 (b) Rs. 220
(c) Rs. 225 (d) Rs. 234 **(a)**

A shopkeeper buys a product of Rs. 150 per kg. 15% of product was damaged. At what price (per kg) should he sell the remaining so as to earn a profit of 20%?

[www.competoid.com]

- (a) Rs. $218\frac{13}{17}$ (b) Rs. $207\frac{13}{17}$
(c) Rs. $225\frac{13}{17}$ (d) Rs. $211\frac{13}{17}$ **(d)**

A shopkeeper cheats to the extent of 10% while buying as well as selling, by using false weights. His total gain is -

[www.examveda.com]

- (a) 10% (b) 11%
(c) 20% (d) 21% **(d)**

A shopkeeper purchased a TV for Rs. 2000 and a radio for Rs. 750. He sells the TV at a profit of 20% and the radio at a loss of 5%. The total loss or profit is = ?

[www.examveda.com; www.competoid.com]

- (a) Gain Rs. 352.50 (b) Gain Rs. 362.50
(c) Loss Rs. 332 (d) Loss Rs. 300 **(b)**

A sold a motor cycle to B at a gain of 15%, B sold it to C at a gain of 20%. If C paid Rs.897, then A would have paid

[www.competoid.com]

- (a) Rs.350 (b) Rs.1,210
(c) Rs.750 (d) Rs.650 **(d)**

A sold a tape - recorder to B for Rs. 4860 at a loss of 19% . Again B sold it to C at price that would give A a profit of 17% . The gain of B is = ?

[www.examveda.com; www.competoid.com]

- (a) $22\frac{2}{9}\%$ (b) $33\frac{1}{3}\%$
(c) $44\frac{4}{9}\%$ (d) $66\frac{2}{3}\%$ **(c)**

A sold a watch at a gain of 5% to B and B sold it to C at a gain of 4%. If C paid Rs. 91 for it, then the price paid by A is:

[www.competoid.com]

- (a) Rs. 84.33 (b) Rs. 83
(c) Rs. 82.81 (d) Rs. 83.33 **(d)**

'A' sold an article for Rs.8000 and incurred a loss. Had he sold the article for Rs.9800. his gain would have been twice the amount of loss. At what price should the article he sold to earn 20% profit?

[www.competoid.com]

- (a) Rs.10,840 (b) Rs.9,820
(c) Rs.10,320 (d) Rs.9,840 **(c)**

A store sells a watch for a profit of 25% of the cost prize. Then the percentage of profit against selling price is

[www.competoid.com]

- (a) 22% (b) 20%

- (c) 18% (d) 15% (b)
A style cloth emporium the shopkeeper measures 20% less for every metre of cloth also he marks-up goods by 20%. What is the profit percentage?

[www.examveda.com]

- (a) 50% (b) 65%
 (c) 75% (d) 85% (a)
A television and a refrigerator were sold for Rs. 12,000 each If the television was sold at a loss of 20% of the cost and the refrigerator at a gain of 20% of the cost, the entire transaction resulted in

[www.competoid.com]

- (a) No loss or gain (b) Loss of Rs. 1,000
 (c) Gain of Rs. 1,000 (d) Loss of Rs. 1,200 @@
 Answer: Loss of Rs. 1,000

- ## A total profit of Rs. 3,600 is to be distributed amongst A, B and C such that A : B = 5 : 4 and B : C = 8 : 9. The share of C in the profit is:**

[www.examveda.com]

- (a) Rs. 1,200 (b) Rs. 1,500
 (c) Rs. 1,650 (d) Rs. 1,700 (a)
A trade man marks his goods 30% above cost price. If he allows his customer $12\frac{1}{2}\%$ discount, how much profit % does he make?

[www.competoid.com]

- (a) 13.75 % (b) 6 %
 (c) 20 % (d) 24 % @@
 Answer: 13.75 %

- ## A trader allows 15% trade discount and 10% cash discount. The selling price of an article, if its marked price is Rs.400, is**

[www.competoid.com]

- (a) Rs.300 (b) Rs.325
 (c) Rs.31 (d) Rs.306 @@
 Answer: Rs.306

- ## A trader allows a discount of 10% on the marked price. He still has a profit of 17% on the cost price. Find the profit percentage. If he sells at the marked price = ?**

[www.examveda.com; www.competoid.com]

- (a) 27% (b) 33%
 (c) 30% (d) 19% (c)
A trader bought 10 kg of apples for Rs. 405 out of which 1 kg of apples were found to be rotten. If he wishes to make a profit of 10% at what rate should he sell the remaining

apples per kg?

[www.competoid.com]

- (a) 49.5 (b) 48
 (c) 46 (d) 47 @@

Answer: 49.5

- ## A trader bought two horses for Rs. 19500, he sold one at a loss 20% and the other at a profit of 15%. If the selling price of each horse is the same, then their cost prices are respectively ?**

[www.examveda.com; www.competoid.com]

- (a) Rs. 10000 and Rs. 9500 (b) Rs. 11500 and Rs. 8000
 (c) Rs. 12000 and Rs. 7500 (d) Rs. 10500 and Rs. 9000 (b)

- ## A tradesman allows a discount of 15% on the marked price. How much above the cost price must he mark his goods as to gain 19% ?**

[www.examveda.com; www.competoid.com]

- (a) 34% (b) 40%
 (c) 25% (d) 30% (b)

- ## A tradesman sold an article at a loss of 20%. If the selling price had been increased by Rs. 100, there would have been a gain of 5%. The cost price of the article (in Rs.) was**

[www.competoid.com]

- (a) 100 (b) 200
 (c) 400 (d) 500 (c)

- ## A vendor bought toffees at 6 for a rupee. How many for a rupee must he sell to gain 20%?**

[www.examveda.com]

- (a) 3 (b) 4
 (c) 5 (d) 6 (c)

- ## An article passing through two hands is sold at a profit of 40% at the original cost price. If the 1st dealer makes a profit of 20%, then the profit per cent made by the second is**

[www.competoid.com]

- (a) $15\frac{2}{3}$ (b) $16\frac{2}{3}$
 (c) $13\frac{2}{3}$ (d) $11\frac{2}{3}$ (b)

- ## An article was sold at a profit of 12% . If the cost price would be 10% less and selling price would be Rs. 5.75 more, there would be a profit of 30 % . Then at what price it should be sold to make a profit of 20% = ?**

[www.examveda.com; www.competoid.com]

- (a) Rs. 115 (b) Rs. 120
(c) Rs. 138 (d) Rs. 215 **(c)**
An article was sold at Rs. 950 allowing 5% discount on the marked price. The marked price of the article was = ?
[www.examveda.com; www.competoid.com]

- (a) Rs. 960 (b) Rs. 1000
(c) Rs. 955 (d) Rs. 945 **(b)**
An increase of 20% in the price of mangoes enables a person to purchase 4 mangoes less for Rs. 40. The price of 15 mangoes before increase was
[www.competoid.com]

- (a) Rs. 10 (b) Rs. 15
(c) Rs. 20 (d) Rs. 25 **(d)**
Arun buys one kilogram of apples for Rs. 120 and sells it to Swati gaining 25%. Swati sells it to Divya and Divya again sells it for Rs. 198, making a profit of 10%. What is the profit percentage made by swati?
[www.competoid.com]

- (a) 25% (b) 20%
(c) 16.67% (d) 15% **(b)**
Arvind purchased a wrist watch with 30% discount on the labelled price. He sold it with 40% profit on the price he bought. What was his percent loss on the labelled price?
[www.competoid.com]

- (a) 2 (b) 6
(c) 4 (d) 8 **@@**

Answer: 2

- ## Bhuvnesh sell two tape recorders at the same price. On one, he gains 10% and on the other he loses 10%. The total gain or loss in the transaction is = ?
[www.examveda.com; www.competoid.com]

- (a) 1% gain (b) 1% loss
(c) No loss or gain (d) 2% loss **(b)**

- ## By selling 14 watches of equal cost price at the rate of Rs. 450 each, there is profit equal to the cost price of 4 watches. The cost price of the watch is = ?
[www.examveda.com; www.competoid.com]

- (a) Rs. 350 (b) Rs. 360
(c) Rs. 375 (d) Rs. 400 **(a)**

- ## By selling 33 m of cloth, a shopkeeper gains the price of 11 m of cloth. His gain per cent is
[www.competoid.com]

- (a) 7% (b) 50%

- (c) 20% (d) 22% **(b)**

- ## By selling 4 articles for 1 rupee, a man losses 4%. Had he sold three articles per rupee, the profit would have been = ?
[www.examveda.com; www.competoid.com]

- (a) 30% (b) 28%
(c) 16% (d) 12% **(b)**

- ## By selling 8 dozen pencils, a shopkeeper gains the selling price of 1 dozen pencils. What is the gain?
[www.competoid.com]

- (a) $12\frac{1}{2}$ (b) $13\frac{1}{7}$
(c) $14\frac{2}{7}$ (d) $87\frac{1}{2}$ **(c)**

- ## By selling 80 ball pens for Rs. 140 a retailer losses 30%. How many ball pens should he sell for Rs. 104 so as to make a profit of 30%?
[www.examveda.com www.competoid.com]

- (a) 32 (b) 52
(c) 48 (d) 42 **(a)**

- ## By selling a table for Rs.350 instead of Rs.400, loss percent increases by 5%. The cost price of the table is:
[www.competoid.com]

- (a) Rs.435 (b) Rs.417.50
(c) Rs.1000 (d) Rs.1050 **(c)**

- ## By selling a towel for Rs.126.90, a draper loses 6%. For how much should he sell the towel to gain 4%?
[www.competoid.com]

- (a) Rs.130 (b) Rs.140.40
(c) Rs.145.05 (d) Rs.160 **(b)**

- ## By selling an article at $\frac{3}{4}$ of selling price, a trader incurred a loss of 10%. The Profit/loss percentage, when it is sold at the original selling price, is = ?
[www.examveda.com; www.competoid.com]

- (a) 20% loss (b) 120% profit
(c) 32.50% loss (d) 20% profit **(d)**

- ## By what fraction selling price must be multiplied to get the cost price, if the loss is 20% = ?
[www.examveda.com; www.competoid.com]

- (a) $\frac{4}{5}$ (b) $\frac{8}{5}$
(c) $\frac{5}{4}$ (d) $\frac{6}{5}$ **(c)**

- ## By what percent must the cost price be raised in fixing the sale price in order that there may be a profit of 20% after allowing a commission of 10% ?

[www.competoid.com]

- (a) 25 (b) $133\frac{1}{3}$
(c) $33\frac{1}{3}$ (d) 30 **(c)**

- ## Charu purchased a dinner set at $\frac{3}{10}$ th of its selling price and sold it at 10% more than its CP. Find the gain per cent. [www.competoid.com]

- (a) 15% (b) 8%
(c) 9% (d) 10% **(d)**

- ## Cost of 4 fans and 3 blowers is Rs.16,500. Also cost of 2 fans, 2 tables and 2 blowers is Rs.12000. Cost of one table is Rs.1,000. What is the cost of 3 fans and one blower?

[www.competoid.com]

- (a) Rs.8,000 (b) Rs.7,500
(c) Rs.8,500 (d) Cannot be determined

(a)

- ## Cost of a packet of coffee powder and a litre of milk are Rs.20 and Rs.30 respectively. 10 cups of coffee is made with one packet coffee powder and for each cup 200 ml of milk is used. If coffee is sold at 25% profit, the selling price of each cup of coffee is

[www.competoid.com]

- (a) Rs.12.50 (b) Rs.6.25
(c) Rs.8 (d) Rs.10 **(d)**

- ## Cost price = Rs.360, Selling price Rs.270. What is the loss% [www.competoid.com]

- (a) 30% (b) 25%
(c) 40% (d) 35% **(b)**

- ## Cost price of 12 oranges is equal to the selling price of 9 oranges and the discount on 10 oranges is equal to the profit on 5 oranges. What is the percentage point difference between the profit percentage and discount percentage? [www.examveda.com]

- (a) 20 (b) 22.22
(c) 16.66 (d) 15
(e) None of These **(b)**

- ## Cost price of 28 articles is equal to selling price of 21 articles, then percentage of profit is = ?

[www.examveda.com; www.competoid.com]

- (a) 12% (b) $33\frac{1}{3}\%$

- (c) 20% (d) 22% **(b)**

- ## David sells his Laptop to Goliath at a loss of 20% who subsequently sells it to Hercules at a Profit of 25%. Hercules, after finding some defect in the laptop, returns it to Goliath but could recover only Rs. 4.50 for every Rs. 5 he had paid. Find the amount at Hercules' loss if David had paid Rs. 1.75 lakh for the laptop.

[www.examveda.com]

- (a) 3500 (b) 2500
(c) 17,500 (d) 20,000
(e) None of these **(c)**

- ## Dinesh bought two radios for Rs. 1,920. he sold one at a profit of 20% and the other at a loss $\frac{2}{3}\%$. If the selling price of both radios are same, then find the cost price of both radios.

[www.examveda.com; www.competoid.com]

- (a) Rs. 800 and Rs. 1,120 (b) Rs. 840 and Rs. 1,080
(c) Rs. 860 and Rs. 1,060 (d) Rs. 900 and Rs. 1,020 **(b)**

- ## Due to 25% fall in the rate of eggs one can buy 2 dozen eggs more than before by investing Rs. 162. The original rate per dozen of the eggs is = ?

[www.examveda.com; www.competoid.com]

- (a) Rs. 22 (b) Rs. 24
(c) Rs. 27 (d) Rs. 30 **(c)**

- ## Find the difference of amount if 40% discount is given on Rs. 500 and two consecutive discount 30% and 10% are given on the same amount.

[www.examveda.com]

- (a) Rs. 15 (b) Rs. 0
(c) Rs. 20 (d) Rs. 10 **(a)**

- ## Find the selling price of goods if two salesmen claim to make 25% profit each, one calculating it on cost price while another on the selling price, the difference in the profits earned being Rs. 100 and selling price being the same in both the cases?

[www.examveda.com]

- (a) Rs. 1200 (b) Rs. 1600
(c) Rs. 2400 (d) Rs. 2500
(e) Rs. 3000 **(a)**

- ## For Rs. 25,500, a furniture shop sells 3 computer tables and 5 chairs or 2 computer

tables and 9 chairs. If one wants to buy a set of only 1 computer table and 1 chair, how much does he need to pay?

[www.competoid.com]

- (a) Rs. 1,500 (b) Rs. 5,100
(c) Rs. 6,000 (d) Rs. 7,500 **(d)**

How much percentage above the cost price should a shopkeeper mark on his goods so that after allowing a discount of 10% he should gain 26% ?

[www.examveda.com; www.competoid.com]

- (a) 140% (b) 25%
(c) 16% (d) 40% **(d)**

I sold two watches for Rs. 300 each, one at loss of 20% and other at the profit of 20%. What is the percentage of loss (-) or profit (+) that resulted from the transaction?

[www.examveda.com]

- (a) (+)4 (b) (-)1
(c) (+)1 (d) (-)4 **(d)**

If 10% loss is made on selling price, then the rate of loss on the cost price will be

[www.competoid.com]

- (a) $11\frac{1}{9}\%$ (b) $9\frac{1}{11}\%$
(c) 10% (d) 11% **(a)**

If 3 toys are sold at the cost price of 4 toys of the same kind, the profit will be:

[www.competoid.com]

- (a) 25% (b) $33\frac{1}{3}\%$
(c) $66\frac{2}{3}\%$ (d) 50% **(b)**

If a commission at the rate of 10% is given to a bookseller on the marked price of a book by the publisher, the publisher gains 20% . If the commission is increased to 15% , then the gain percent would be = ?

[www.examveda.com; www.competoid.com]

- (a) $6\frac{2}{3}\%$ (b) $13\frac{1}{3}\%$
(c) $15\frac{5}{6}\%$ (d) $12\frac{1}{2}\%$ **(b)**

If a man estimates his loss as 20% of the selling price, then his loss percent is = ?

[www.examveda.com; www.competoid.com]

- (a) 20% (b) 25%
(c) $40\frac{4}{3}\%$ (d) $50\frac{5}{3}\%$ **(d)**

If a man purchased 11 books for Rs.10 and sold all the of 10 books for Rs.11 the profit percentage is

[www.competoid.com]

- (a) 10 % (b) 11 %
(c) 21 % (d) 20 % **@@**

Answer: 21 %

If a man were to sell his chair for Rs. 720, he would lose 25%. To gain 25% he should sell it for:

[www.examveda.com; www.competoid.com]

- (a) Rs. 1,200 (b) Rs. 1,000
(c) Rs. 960 (d) Rs. 900 **(a)**

If a manufacturer gains 10 percent, wholesaler 15 percent and retailer 25 percent, then the production cost of an article, whose retail price is Rs. 1,265, is

[www.competoid.com]

- (a) Rs. 700 (b) Rs. 750
(c) Rs. 800 (d) Rs. 900 **(c)**

If a Pen is sold at 4% profit instead 4% loss, the seller gets Rs.6 more. Find out the cost price of the article?

[www.competoid.com]

- (a) Rs.40 (b) Rs.75
(c) Rs.150 (d) Rs.100 **@@**

Answer: Rs.75

If a shirt cost Rs. 64, after 20% discount is allowed, what was its original price in Rs. ?

[www.competoid.com]

- (a) 76.80 (b) 80
(c) 88 (d) 86.80 **(b)**

If a shopkeeper wants to give 20% discount on cost prize of a toy, he has to sell it for Rs. 300. If he sells it at Rs. 405, then his gain percent is

[www.competoid.com]

- (a) 5% (b) 8%
(c) 6% (d) 4% **(b)**

If an article is sold at 5% gain instead of 5% loss, the man gains Rs. 5 more. Find the cost price of that article

[www.competoid.com]

- (a) Rs. 100 (b) Rs. 105
(c) Rs. 50 (d) Rs. 110 **(c)**

If bananas are bought at the rate of 4 for a rupee, how many must be sold for a rupee so as to gain $\frac{1}{3}\%$.

[www.competoid.com]

- (a) 4 (b) 3
(c) 2.5 (d) 2 **(b)**
- ## If books bought at prices from Rs. 150 to Rs. 300 are sold at prices ranging from Rs. 250 to Rs. 350. What is the greatest possible profit that might be made in selling 15 books ?
[www.examveda.com; www.competoid.com]
(a) Cannot be determined (b) Rs. 750
(c) Rs. 4250 (d) Rs. 3000 **(d)**
- ## If by selling an article for Rs. 390 a shopkeeper gains 20%, then the cost is = ?
[www.examveda.com; www.competoid.com]
(a) Rs. 370 (b) Rs. 325
(c) Rs. 350 (d) Rs. 300 **(b)**
- ## If cost price of 20 articles is equal to the selling price of 25 articles, then loss percent in the transaction is
[www.competoid.com]
(a) 5% (b) 20%
(c) 25% (d) 30% **(b)**
- ## If on selling 12 notebooks any seller makes a profit equal to the selling price of 4 notebooks. what is his per cent profit
[www.competoid.com]
(a) 50% (b) 25%
(c) $16\frac{2}{3}\%$ (d) Data inadequate **(a)**
- ## If the cost of 12 pencils is equal to the selling price of 10 pencils, the profit per cent in the transactions is
[www.competoid.com]
(a) $16\frac{2}{3}\%$ (b) 18%
(c) 20% (d) 25% **(c)**
- ## If the cost of pins reduces by Rs. 4 per dozen, 12 more pins can be purchased for Rs. 48. The cost of pins per dozen after reduction is:
[www.competoid.com]
(a) Rs. 8 (b) Rs. 12
(c) Rs. 16 (d) Rs. 20 **(b)**
- ## If the cost price and selling price of an article are in the ratio of 10 : 11, then the percentage profit is
[www.competoid.com]
(a) 10% (b) 9%
(c) 3% (d) 1% **(a)**
- ## If the cost price is 90% of the selling price, what is the profit percent ?
[www.examveda.com; www.competoid.com]
(a) 4% (b) 4.75%
(c) 5% (d) $11\frac{1}{9}\%$ **(d)**
- ## If the cost price is 95% of the selling price, what is the profit percent = ?
[www.examveda.com; www.competoid.com]
(a) 4% (b) 4.75%
(c) 5% (d) 5.26% **(d)**
- ## If the cost price of 12 oranges is equal to selling price of 10 oranges, then the percentage of profit is
[www.competoid.com]
(a) $16\frac{2}{3}\%$ (b) 20%
(c) 18% (d) 25% **(b)**
- ## If the cost price of 16 tables be equal to the selling price of 12 tables, the gain per cent is
[www.competoid.com]
(a) $33\frac{1}{3}\%$ (b) 20%
(c) 30% (d) 15% **(a)**
- ## If the cost price of 18 articles is equal to the selling price of 16 articles, the gain or loss is = ?
[www.examveda.com; www.competoid.com]
(a) 25% gain (b) 25% loss
(c) $12\frac{1}{2}\%$ loss (d) $12\frac{1}{2}\%$ gain **(d)**
- ## If the cost price of 20 articles is equal to the selling price of 15 articles, find the profit per cent.
[www.competoid.com]
(a) $33\frac{1}{2}\%$ (b) $33\frac{1}{3}\%$
(c) $33\frac{1}{5}\%$ (d) $33\frac{1}{7}\%$ @@
- Answer: 33133313
- ## If the cost price of 50 oranges is equal to the selling price of 40 oranges, then the profit per cent is
[www.competoid.com]
(a) 5% (b) 10%
(c) 20% (d) 25% @@
- Answer: 25%
- ## If the cost price of an item is $\frac{5}{9}$ of its marked price and the profit is 20% , then the percentage of discount is = ?
[www.examveda.com; www.competoid.com]
(a) 20% (b) $63\frac{1}{3}\%$

- (c) $70\frac{1}{3}\%$ (d) $33\frac{1}{3}\%$ (d)

If the difference between the selling prices of an article at profit of 6% and 4% is Rs.3, then the cost price of the article should be

[www.competoid.com]

- (a) Rs.100 (b) Rs.150
(c) Rs.175 (d) Rs.200 (b)

If the loss of percent on article is 15%. Then the ratio of the cost price and selling price will be = ?

[www.examveda.com; www.competoid.com]

- (a) 17 : 20 (b) 20 : 17
(c) 23 : 15 (d) 15 : 23 (b)

If the manufacturer gains 10%, the wholesale dealer 15% and the retailer 25%, then the cost of production of an article whose retail price is Rs.1265. is:

[www.competoid.com]

- (a) Rs.632.50 (b) Rs.800
(c) Rs.814 (d) Rs.834.34 (b)

If the price of eraser is reduced by 25%. A person can buy 2 more erasers for a rupee. How many erasers are available for a rupee after reduction ?

[www.examveda.com; www.competoid.com]

- (a) 8 (b) 6
(c) 4 (d) 2 (a)

If the profit on selling an article for Rs. 425 is the Same as the loss on selling it for Rs. 355, then the cost price of the article is

[www.competoid.com]

- (a) Rs. 410 (b) Rs. 380
(c) Rs. 400 (d) Rs. 390 (d)

If the profit per cent got on selling an article is numerically equal to its cost price in rupees and the selling price is Rs. 39, then cost price (in Rs.) will be:

[www.examveda.com]

- (a) 20 (b) 22
(c) 28 (d) 30 (d)

If the sales tax be reduced from $3\frac{1}{2}\%$ to $3\frac{1}{3}\%$, what difference does it make to person who purchases an article whose marked price is Rs. 8,400?

[www.competoid.com]

- (a) Rs. 20 (b) Rs. 15
(c) Rs. 14 (d) Rs. 10 @@

Answer: Rs. 14

If the selling price of an article is doubled, then its loss profit percent is converted into equal profit percent. The loss percent on the article is = ?

[www.examveda.com; www.competoid.com]

- (a) 2623% (b) 33%
(c) 3313% (d) 34% (c)

If the selling price of a product is increased by Rs.162, then the business would make a profit of 17% instead of a loss of 13%. What is the cost Price of the product?

[www.competoid.com]

- (a) Rs.540 (b) Rs.450
(c) Rs.360 (d) Rs.600 (b)

If the successive discounts by 20%, 10% and 5%, then the single equivalent rate of discount is

[www.competoid.com]

- (a) 31.6% (b) 31.5%
(c) 31% (d) 31.4% (a)

If the total cost of 73 articles having equal cost is Rs. 5110 and the total selling price of 89 such articles is Rs. 5607, then in the transaction, there will be = ?

[www.examveda.com; www.competoid.com]

- (a) A loss of 15% (b) A gain of 10%
(c) A loss of 10% (d) A gain of 15% (c)

If toys are bought at Rs. 5 each and sold at Rs. 4.50 each, then the loss is:

[www.competoid.com]

- (a) 10% (b) 115%
(c) 12% (d) 13% @@

Answer: 10%

In the Bargaining Bazar everyone purchase with a fair bargaining, so the traders markup the prices too much. A trader marked up an article at Rs. M expected huge profit if it is sold on marked price. But a customer purchased it at

[www.examveda.com]

- (a) 33.33% (b) 50%
(c) 60% (d) 66.66%
(e) None of these (b)

James and Vaibhav are gamblers. Last year, the ratio between money lost by James and Vaibhav was 4 : 5. The ratios of their individual losses of the last year and present year are 3 : 5 and 2 : 3 respectively. If total loss incurred to both of them this year is Rs.

357000 the present loss of James is = ?

[www.examveda.com; www.competoid.com]

- (a) Rs. 170000 (b) Rs. 159000
(c) Rs. 168000 (d) Rs. 137000 **C**

Joseph's salary is reduced by 10% . In order to have his salary back to his original amount, it must be raised by = ?

[www.examveda.com; www.competoid.com]

- (a) 12.5% (b) $11\frac{1}{9}\%$
(c) 10% (d) 11% **B**

Kamal bought a house, whose sale price was Rs. 8 lakh. He availed 20% discount as an early bird offer and then 10% discount due to cash payment. After that he spent 10% of the cost price in interior decoration and lawn of the house. At what price should he sell the house to earn a profit of 25%?

[www.examveda.com]

- (a) Rs. 9 lakh (b) Rs. 7.99 lakh
(c) Rs. 7.92 lakh (d) Rs. 7 lakh
(e) None of These **C**

Kamyra purchased an item of Rs.46,000 and sold it at a loss of 12 percent. With that amount she purchased another item and sold it at a gain of 12 percent. What was her overall gain / loss?

[www.competoid.com]

- (a) Loss of Rs.662.40 (b) Profit of Rs.662.40
(c) Loss of Rs.642.80 (d) Profit of Rs.642.80 **B**

Krishna bought a camera and paid 20% less than its original price. He sold it at 40% profit on the price he had paid. The percentage of profit earned by krishna on the original price was

[www.competoid.com]

- (a) 22 (b) 32
(c) 12 (d) 15 **@@**

Answer: 12

Krishna purchased a number of articles at Rs. 10 for each and the same number for Rs. 14 each. He mixed them together and sold them for Rs. 13 each. Then his gain or loss percent is = ?

[www.examveda.com; www.competoid.com]

- (a) Loss $8\frac{1}{3}\%$ (b) Gain $8\frac{2}{3}\%$
(c) Loss $8\frac{2}{3}\%$ (d) Gain $8\frac{1}{3}\%$ **D**

Kumar purchased a tape recorder at $\frac{7}{10}$ of its selling price and sold it at 4% more than its selling price. His gain is

[www.competoid.com]

- (a) $54\frac{2}{7}\%$ (b) $56\frac{2}{7}\%$
(c) $60\frac{2}{7}\%$ (d) $48\frac{4}{7}\%$ **D**

Last year Mr. A bought two paintings. This year he sold them for Rs. 20000 each. On one, he made a 25% profit and of the other he had a 25% loss. Then his net profit or loss is = ?

[www.examveda.com; www.competoid.com]

- (a) He loss more then Rs. 2000 (b) He loss more than Rs. 2000
(c) He earned more than Rs. 2000 (d) He earned less than Rs. 2000 **A**

If a retailer marks prices at 20% profit and then allows 10% discount, he makes a profit of

[www.competoid.com]

- (a) 12% (b) 10%
(c) 8% (d) None of these. **C**

List price of a book is Rs. 100. A dealer sells three such books for Rs. 274.50 after allowing discount at a certain rate, find the rate of discount = ?

[www.examveda.com; www.competoid.com]

- (a) 8.33% (b) 8.16%
(c) 8.50% (d) 8.34% **C**

List price of T.V is Rs. 2300 and discount series found to be 25% ans 10%. Then the selling price of T.V is = ?

[www.examveda.com; www.competoid.com]

- (a) Rs. 1255.50 (b) Rs. 1525.50
(c) Rs. 1552.50 (d) Rs. 1555.20 **C**

Loss of 20% on selling prize is equal to x% loss in cost price. What is x?

[www.competoid.com]

- (a) 20% (b) 20
(c) $16\frac{2}{3}\%$ (d) 16 **C**

Mahesh purchased a radio at $\frac{9}{10}$ of its selling price and sold it at 8% more than its orginal selling price. His gain percent is:

[www.competoid.com]

- (a) 20% (b) 18%

- (c) 10% (d) 8% (a)
- ## Meena purchased two fans each at Rs.1200. She sold one fan at the loss of 5% and other at the gain of 10%. Find total gain or loss per cent.
[www.competoid.com]
- (a) 1.2% loss (b) 1.2% profit
(c) 2.5% profit (d) 2.5% loss (c)
- ## Meera purchased 23 bracelets at the rate of Rs.160 per bracelet. At what rate per bracelet should she sell the bracelets so that profit earned is 15%?
[www.competoid.com]
- (a) Rs.184 (b) Rs.186
(c) Rs.192 (d) Rs.198 (a)
- ## Mohan bought 25 books for Rs. 2,000 and sold them at a profit equal to the selling price of 5 books. The selling price of 1 book is:
[www.competoid.com]
- (a) Rs. 100 (b) Rs. 120
(c) Rs. 150 (d) Rs. 200 (a)
- ## Mohan purchased a radio set and sold it to Shyam at profit. Shyam sold it to Ram at 10% loss and if Raman paid Rs.675, how much did Mohan purchased that radio.
[www.competoid.com]
- (a) Rs.800 (b) Rs.600
(c) Rs.500 (d) Rs.750 @@
- Answer: Rs.600
- ## Mr. Kapur purchased two toy cycles for Rs. 750 each. He sold these cycles, gaining 6% on one and losing 4% on the other. The gain or loss percent in the whole transaction is = ?
[www.examveda.com; www.competoid.com]
- (a) 1% loss (b) 1% gain
(c) 1.5% loss (d) 1.5% gain (b)
- ## My friend collects antique stamps. She purchased two. but found that she needed to raise money urgently. So. she sold them for Rs.8000 each. On one she made 20% profit and on the other she lost 20%. How much did she gain or loss in the entire transaction?
[www.competoid.com]
- (a) No loss/profit (b) Rs.667 loss
(c) Rs.667 profit (d) Rs.658 profit (b)
- ## Neeta got profit of 10% on selling an article in Rs.220. To get the profit of 30%, she should sell the article in how many rupees?
[www.competoid.com]
- (a) Rs.220 (b) Rs.230
(c) Rs.260 (d) Rs.280 (c)
- ## Niraj incurred a loss of 55% on selling an article for Rs.9549. What was the cost price of the article?
[www.competoid.com]
- (a) Rs.27700 (b) Rs.25600
(c) Rs.21220 (d) Rs.29000 (c)
- ## On a Rs. 1000 payment order, a person has choice between 3 successive discounts of 10%, 10% and 30%, and 3 successive discounts of 40%, 5% and 5%. By choosing the better one he can save (in rupees)
[www.examveda.com]
- (a) 200 (b) 255
(c) 400 (d) 433 (b)
- ## On selling a pen at 5% loss and a book at 15% gain, Karim gains Rs.7. If he sells the pen at 5% gain and the book at 10% gain, then he gains Rs.13. The actual price of the book is
[www.competoid.com]
- (a) Rs.100 (b) Rs.80
(c) Rs.10 (d) Rs.400 @@
- Answer: Rs.80
- ## On selling an article at Rs.530, the gain is 20% more than the loss incurred on selling it at Rs.475. In order to gain 20%. the selling price will be
[www.competoid.com]
- (a) Rs.900 (b) Rs.600
(c) Rs.700 (d) Rs.500 @@
- Answer: Rs.600
- ## On selling an article for Rs. 105 a trader loses 9%. To gain 30% he should sell the article at
[www.competoid.com]
- (a) Rs. 126 (b) Rs. 144
(c) Rs. 150 (d) Rs. 139 @@
- Answer: Rs. 150
- ## On selling an article for Rs. 651, there is a loss of 7%. The cost price of that article is = ?
[www.examveda.com; www.competoid.com]
- (a) Rs. 744 (b) Rs. 751
(c) Rs. 793 (d) Rs. 700 (d)
- ## Oranges are bought at the rate of 10 for Rs. 25 and sold at the rate of 9 for Rs. 25. The profit is
[www.competoid.com]

- (a) $9\frac{1}{11}\%$ (b) 10%
(c) $11\frac{1}{9}\%$ (d) $12\frac{1}{2}\%$ **(c)**

Pankaj purchased an item for Rs.7500 and sold it at the gain of 24%. From that amount he purchased another item and sold it at the loss of 20%. What is his overall gain/loss?

[www.competoid.com]

- (a) Loss of Rs.140 (b) Gain of Rs.60
(c) Loss of Rs.60 (d) Neither gain nor loss

@@

Answer: Loss of Rs.60

Pawan kaul earns 15 percent on an investment but loses 10 percent on another investment. If the ratio of two investments is 3 : 5, then the combined loss percent is = ?

[www.examveda.com; www.competoid.com]

- (a) $-\frac{5}{7}\%$ (b) $-\frac{4}{5}\%$
(c) $-\frac{8}{5}\%$ (d) $-\frac{5}{8}\%$ **(d)**

Pooja wants to sell a watch at a profit of 20% . She bought it at 10% less and sold it at Rs. 30 less, but still she gained 20%. The cost price of watch

[www.competoid.com]

- (a) Rs. 240 (b) Rs. 250
(c) Rs. 220 (d) Rs. 225 **(b)**

Prof. Chatteijee bought a car and got 15% of its original price as a dealer's discount. He then sold it at 20% profit on his purchase price. What percentage profit did he get on the original price?

[www.competoid.com]

- (a) 2% (b) 12%
(c) 5% (d) 17% **(a)**

Answer: 2%

Profit on selling 10 candles equals selling price of 3 bulbs. While loss on selling 10 bulbs equal selling price of 4 candles. Also profit percentage equals to the loss percentage and cost of a candle is half of the cost of a bulb. What is the ratio of selling price of candles to the selling price of a bulb?

[www.examveda.com]

- (a) 5 : 4 (b) 3 : 2
(c) 4 : 5 (d) 3 : 4 **(b)**

Raghavan purchase a scooter at $\frac{13}{15}$ of its selling price and sold it at 12% more than its selling price. His gain is -

[www.examveda.com; www.competoid.com]

- (a) 20% (b) $29\frac{3}{13}\%$
(c) 30% (d) $38\frac{1}{13}\%$ **(b)**

Raghuvir purchased 10 calculators and 16 watches for Rs. 56100 and sold them so as to earn an overall profit of 20%. At what total price should he sell 15 calculators and 24 watches together so as to earn the same percentage profit?

[www.examveda.com]

- (a) Rs. 100980 (b) Rs. 116176
(c) Rs. 121176 (d) Rs. 100660 **(a)**

Rahim buys mangoes at the rate of 3 kg for Rs.21 and sells them at 5kg for Rs. 50. To earn Rs. 102 as profit, he must sell

[www.competoid.com]

- (a) 34 kg (b) 52 kg
(c) 26 kg (d) 32 kg **(a)**

Raj sold an item for Rs.6384 and incurred a loss of 30%. At what price should he have sold the item to have gained a profit of 30%

[www.competoid.com]

- (a) Rs.14656 (b) Rs.11856
(c) Rs.13544 (d) Cannot be determined **(b)**

Rajan buys lemons at the rate of 9 for 80p and sells them at 11 for 120p. His gain per lemon is

[www.competoid.com]

- (a) $\frac{250}{11}$ (b) $\frac{11}{99}$
(c) $\frac{120}{99}$ (d) $\frac{11}{6}$ **(a)**

Rajan buys mangoes at the rate of 3 kg for Rs.21 and sells them at 5 kg. for Rs.50. To earn Rs.102 as profit, he must sell

[www.competoid.com]

- (a) 34 kg (b) 52 kg
(c) 26 kg (d) 32 kg **(a)**

Ram has two articles A and B. The total cost of both articles is Rs.8000. Ram sells article A at the profit of 20% and article B at a loss of 12%. There is neither profit nor loss in

the whole transaction. At what price should the article B be sold to gain 25%?

[www.competoid.com]

- (a) Rs.6250 (b) Rs.6350
(c) Rs.3750 (d) Rs.3850 **a**

Ramesh sold a book at a loss of 30%. If he has sold it for Rs. 140 more, he would have made a profit of 40%. The cost price of the book is = ?

[www.examveda.com; www.competoid.com]

- (a) Rs. 280 (b) Rs. 200
(c) Rs. 260 (d) Rs. 300 **b**

Ran sold a cow to Rahim at 20% profit. Rahim sold it to Robert at 25 % profit. If Robert paid Rs. 900, then Ram had purchased the cow (in rupees) for

[www.competoid.com]

- (a) 600 (b) 700
(c) 750 (d) 800 **a**

Ravi buys some toffees at 2 for a rupee and sells them at 5 for a rupee. His loss percent is = ?

[www.examveda.com; www.competoid.com]

- (a) 120% (b) 90%
(c) 30% (d) 60% **d**

Rehaan purchased a bike for Rs. 54,000. He sold it at a loss of 8 per cent. With that money he again purchased another bike and sold it at a profit of 10 per cent. What is his overall loss/ profit?

[www.competoid.com]

- (a) Loss of Rs.657 (b) Profit of Rs. 567
(c) Loss of Rs.648 (d) Profit of Rs.648 **@@**

Answer: Profit of Rs.648

Seema purchased an item for Rs.9,600 and sold it for a loss of 5 percent. From that money she purchased another item and sold it for a gain of 5 percent. What is her overall gain/loss?

[www.competoid.com]

- (a) Loss of Rs.36 (b) Profit of Rs.24
(c) Loss of Rs.54 (d) None of these **d**

Sita buys a fridge at $\frac{15}{16}$ of its original value and sells it for 10% more than its value. Then, gain per cent is

[www.competoid.com]

- (a) 15.55% (b) 11.67%
(c) 16.67% (d) None of these **d**

Some articles were bought at 6 articles for Rs. 5 and sold at 5 articles for Rs. 6. Gain percent is:

[www.examveda.com; www.indiabix.com]

- (a) 30% (b) $33\frac{1}{3}$
(c) 35% (d) 44% **d**

Some toffees were bought at the rate of 11 for Rs. 10 and the same number at the rate of 9 for Rs.10. If the Whole toffees was sold at one rupee per toffee, then the gain or loss in the whole transaction was

[www.competoid.com]

- (a) loss of 1% (b) gain of 1%
(c) neither gain nor loss (d) gain of 1.5% **a**

Sumit purchased an item for Rs.4000 and sold it at the gain of 35%. From that amount, he purchased another item and sold it at the loss of 20%. What is his overall gain/loss?

[www.competoid.com]

- (a) Loss of Rs.340 (b) Gain of Rs.320
(c) Loss of Rs.360 (d) Neither gain nor loss **b**

Suresh bought 25 kg of wheat at Rs.30 per kg. and 15 kg of wheat at Rs.40 per kg. He mixed the two varieties together and sold it at Rs.45.50 per kg. Find out the profit he got.

[www.competoid.com]

- (a) Rs.470 (b) Rs.480
(c) Rs.460 (d) Rs.370 **a**

Tarun bought a TV with 20% discount on labeled price. Had he bought it with 25% discount, he would have saved Rs.500. At what price did he buy the T,V,

[www.competoid.com]

- (a) Rs. 5,000 (b) Rs.10,000
(c) Rs.12,000 (d) Rs. 8,000 **d**

The accountants of a company show sales of Rs. 12,600. The primary cost is 35% of sales and trading cost accounts for 25% of the gross profit. Gross profit is arrived at by excluding the primary cost plus the cost of advertising expenses of Rs. 1400, director's salary of Rs. 650 per annum plus 2% annual sales as miscellaneous costs. Find the percentage profit (approx) on a capital investment of Rs. 14,000?

[www.examveda.com]

- (a) 35% (b) 31%
(c) 28% (d) 26%
(e) Cannot be determined

(b)

The C.P of 10 articles is equal to the S.P of 15 articles. What is the profit or loss percentage?

[www.competoid.com]

- (a) 25.5% (b) 35%
(c) 10% (d) 33.3%

@@

Answer: 33.3%

The cost of manufacture of a tape recorder is Rs. 1,500. The manufacturer fixes the marked price 20% above the cost of manufacture and allows a discount in such a way as to get a profit of 8%. The rate of discount is

[www.competoid.com]

- (a) 12 (b) 8
(c) 20 (d) 10

@@

Answer: 10

The cost of servicing of a Maruti car at Maruti care Pvt. Ltd. is Rs. 400. Manager of service centre told me that for the second service within a year a customer can avail a 10% discount and further for third and fourth servicing he can avail 10% discount of the previous amount paid, within a year. Further if a customer gets more than 4 services within a year, he has to pay just 60% of the servicing charges on these services. A customer availed 5 services from the same servicing station, what is the total percentage discount fetched by the customer?

[www.examveda.com]

- (a) 19.42% (b) 18.5%
(c) 17.6% (d) 26%
(e) None of these

(a)

The cost of setting up a magazine is Rs. 2800. The cost of paper and ink etc is Rs. 80 per 100 copies and printing cost is Rs. 160 per 100 copies. In last month 2000 copies were printed but only 1500 copies could be sold at Rs. 5 each. Total 25% profit on the sale price was realized. There is one more resource of income from magazine which is advertising. What sum of money obtained from the advertising in magazine?

[www.examveda.com]

- (a) Rs. 1750 (b) Rs. 2350
(c) Rs. 1150 (d) Rs. 1975
(e) None of these

(d)

The cost price : selling price of an article is a : b. If b is 200% of a then the percentage of profit on cost price is

[www.competoid.com]

- (a) 75% (b) 125%
(c) 100% (d) 200%

@@

Answer: 100%

The cost price of 15 articles is same as the selling price of 10 articles. The profit percent is:

[www.competoid.com]

- (a) 30% (b) 40%
(c) 50% (d) 45%

@@

Answer: 50%

The cost price of 20 tables is the same as the selling price of 15 of them. The gain per cent is

[www.competoid.com]

- (a) $33\frac{1}{3}\%$ (b) 25 %
(c) 75% (d) None of these

@@

Answer: 33.333333%

The cost price of 36 books is equal to the selling price of 30 books. The gain per cent is :

[www.competoid.com]

- (a) 20% (b) $16\frac{4}{6}\%$
(c) 18% (d) $82\frac{2}{6}\%$

(a)

The cost price of 400 lemons is equal to the selling price of 320 lemons. then the profit percent is

[www.competoid.com]

- (a) 15% (b) 20%
(c) 25% (d) 40%

@@

Answer: 25%

The cost price of a radio is Rs. 600. The 5% of the cost price is charged towards transportation. After adding that, if the net profit to be made is 15%, then the selling price of the radio must be = ?

[www.examveda.com; www.competoid.com]

- (a) Rs. 704.50 (b) Rs. 724.50
(c) Rs. 664.50 (d) Rs. 684.50

(b)

The cost price of an article is 80% of its marked price for sale. How much per cent

does the tradesman gain after allowing a discount of 12%?

[www.examveda.com]

- (a) 20% (b) 12%
(c) 10% (d) 8%

(c)

The cost price of an article is Rs. 800. After allowing a discount of 10%, a gain of 12.5% is made. Then the marked price of the article is

[www.competoid.com]

- (a) Rs. 1,000 (b) Rs. 1,100
(c) Rs. 1,200 (d) Rs. 1,300

@@

Answer: Rs. 1,000

The cost price of article A is Rs.100 more than the cost price of article B. Article A was sold at 40% profit and article B was sold at 40% loss. If the overall profit earned after selling both the articles is 5%, what is the cost price of article B?

[www.competoid.com]

- (a) Rs.300 (b) Rs.400
(c) Rs.250 (d) Rs.350

(d)

The currencies in countries M and N are denoted by m and n respectively. The exchange rate in 1990 was 1m. 0.6n the price level in 2006 in M and N are 150 and 400 respectively with 1990 as a base of 100. The exchange rate in 2006 based solely on the purchasing power parity consideration is 1 m :

[www.competoid.com]

- (a) 0.225 n (b) 0.625 n
(c) 1.6 n (d) 3.6 n

(a)

The difference between a discount 40% on Rs. 500 and two successive discounts of 30% and 10% the same amount is:

[www.examveda.com]

- (a) Rs. 20 (b) Rs. 10
(c) Rs. 15 (d) Rs. 0

(c)

The difference between successive discounts of 40% followed by 30% and 45% followed by 20% on the marked price of an article is Rs. 12. The marked price of the article is = ?

[www.examveda.com; www.competoid.com]

- (a) Rs. 400 (b) Rs. 800
(c) Rs. 600 (d) Rs. 200

(c)

The difference between the selling price and cost price of an article is Rs. 210. If the profit percent is 25, then the selling price of the

article is = ?

[www.examveda.com; www.competoid.com]

- (a) Rs. 950 (b) Rs. 1050
(c) Rs. 1150 (d) Rs. 1250

(b)

The difference between the selling price of an article at a profit of 15% and at a profit of 10% is Rs. 10. The cost price of the article is = ?

[www.examveda.com; www.competoid.com]

- (a) Rs. 100 (b) Rs. 120
(c) Rs. 150 (d) Rs. 200

(d)

The income of a broker remains unchanged though the rate of commission is increased from 4 per cent to 5 per cent. The percentage of slump in business is:

[www.competoid.com]

- (a) 10 per cent (b) 15 per cent
(c) 20 per cent (d) 30 per cent

(c)

The list price of an article is Rs. 900. It is available at two successive discounts of 20% and 10% . The selling price of the article is = ?

[www.examveda.com; www.competoid.com]

- (a) Rs. 640 (b) Rs. 648
(c) Rs. 540 (d) Rs. 548

(b)

The manufacturer of a machine sells it to a distributor at a profit of 20%. The distributor in turn sells it to a stockist at a gain of 10%. The stockist sells it to customer for Rs.1,45,200 at a gain of 10%. The cost price of the machine for the manufacturer is

[www.competoid.com]

- (a) Rs.87,000 (b) Rs.1,00,000
(c) Rs.1,05,000 (d) Rs.1,20,000

(b)

The marked price of a CD is Rs. 250. It is sold for Rs. 225. The rate of discount is = ?

[www.examveda.com; www.competoid.com]

- (a) $11\frac{1}{9}\%$ (b) 25%
(c) 2.5% (d) 10%

(d)

The marked price of a laptop is Rs. 12000. In a clearance sale it is sold at a discount of 15%, incurring a loss of 400. What is the cost price of the laptop?

[www.competoid.com]

- (a) Rs. 10200 (b) Rs. 10625
(c) Rs. 11200 (d) Rs. 10272

(b)

The marked price of a radio is 20% more than its cost price. If a discount of 10% is given on the marked price, the gain per cent

is:

- (a) 15 (b) 12
(c) 10 (d) 8

[www.examveda.com]

- ## The marked price of an article is 10% higher than cost price. A discount of 10% is given on marked price. In this kind of seller bears = ?

[www.examveda.com; www.competoid.com]

- (a) No loss No gain (b) A loss of 5%
(c) A gain of 1% (d) A loss of 1%

- ## The marked price of an article is 30% higher than the cost price. If a trader sells the articles allowing 10% discount to customer, then the gain percent will be = ?

[www.examveda.com; www.competoid.com]

- (a) 17% (b) 20%
(c) 19% (d) 15%

- ## The marked price of watch was Rs. 820. A man bought the same for Rs. 570.72 after getting two successive discounts was -

[www.examveda.com]

- (a) 12% (b) 13%
(c) 15% (d) 18%

- ## The owner of a cell phone shop charges his customer 28% more than the cost price. If the customer paid Rs.8960 for the cell phone, what was the cost price of the cell phone?

[www.competoid.com]

- (a) Rs.7800 (b) Rs.7000
(c) Rs.6900 (d) Rs.6850

- ## The percentage of loss when an article is sold at Rs. 50 is the same as that of the profit when it is sold at Rs. 70. The abovementioned percentage of profit or loss on the article is

[www.competoid.com]

- (a) 10% (b) $16\frac{1}{2}\%$
(c) 20% (d) $22\frac{2}{3}\%$

- ## The price of a jewellery, passing through three hands. Rises on the whole by 65%. If the first and the second sellers earned 20% and 25% profit respectively, the profit earned by the third seller is = ?

[www.examveda.com; www.competoid.com]

- (a) 20% (b) 15%
(c) 10% (d) 5%

- ## The price of a refrigerator and a television set are in the ratio 5 : 3. If the refrigerator costs Rs. 5500 more than the television set, then the price of the refrigerator is = ?

[www.examveda.com; www.competoid.com]

- (a) Rs. 27500 (b) Rs. 8250
(c) Rs. 13750 (d) Rs. 16500

- ## The price of a shirt after 15% discount, is Rs. 119. What was the marked price of the shirt before discount

[www.competoid.com]

- (a) Rs. 129 (b) Rs. 140
(c) Rs. 150 (d) Rs. 160

- ## The price of an article by 30% and then two successive discounts of 10% each are allowed. Ultimately, the price of the article is -

[www.examveda.com]

- (a) Decreased by 5.3% (b) Increased by 3%
(c) Increased by 5.3% (d) Decreased by 10%

- ## The price of an article reduces to 576 after two successive discounts. The markup is 80% above the cost price of Rs. 500. What is the new profit percentage if instead of two successive discounts the markup price was further increased successively two times by the same percentage?

[www.examveda.com]

- (a) 259.2% (b) 157%
(c) 159.2% (d) 300%
(e) None of these

- ## The profit earned after selling a pair of shoes for Rs.2033 is the same as the loss incurred after selling the same pair of shoes for Rs.1063. What is the cost price of the shoes?

[www.competoid.com]

- (a) Rs.1650 (b) Rs.1548
(c) Rs.1532 (d) Rs. Cannot be determined

- ## The profit earned after selling an article for Rs.1,516 is the same as loss incurred after selling the article for Rs.1,112. What is the cost price of the article?

[www.competoid.com]

- (a) Rs.1,314 (b) Rs.1,343
(c) Rs.1,414 (d) Rs.1,434

- ## The profit earned by a shopkeeper by selling a bucket at a gain of 8% is Rs. 28 more than when he sells it at a loss of 8%. The cost

price (in Rupees) of the bucket is = ?

[www.examveda.com; www.competoid.com]

- (a) Rs. 170 (b) Rs. 190
(c) Rs. 175 (d) Rs. 165

(c)

The profit percentage on three articles A, B and C is 10%, 20%, and 25% and the ratio of the cost price is 1 : 2 : 4. Also the ratio of number of articles sold of A, B and C is 2 : 5 : 2, then overall profit percentage is:

[www.examveda.com]

- (a) 18.5% (b) 21%
(c) 23% (d) 27%

(b)

The ratio of cost price and selling price 25 : 26. The percent of profit will be

[www.competoid.com]

- (a) 26% (b) 25%
(c) 1% (d) 4%

(d)

Answer: 4%

The ratio of cost price and selling price of an article is 20 : 21. The gain percent on it is = ?

[www.examveda.com; www.competoid.com]

- (a) 4 (b) 5
(c) 6 (d) 10

(b)

The ratio of the C. P. and S. P. of an article is 20: 21. What is the gain per cent ?

[www.competoid.com]

- (a) 5% (b) 5.5%
(c) 6% (d) 6.25%

@@

Answer: 5%

The ratio of the cost price and selling price is 5 : 4, the loss percent is = ?

[www.examveda.com; www.competoid.com]

- (a) 20% (b) 25%
(c) 40% (d) 50%

(a)

The reduction of Rs. 12 in the selling price of an article will changes 5% gain into $2\frac{1}{2}\%$ lose. The cost price of the article is = ?

[www.examveda.com; www.competoid.com]

- (a) Rs. 140 (b) Rs. 160
(c) Rs. 80 (d) Rs. 100

(b)

The sale price of an article including the sales tax is Rs.616. The rate of sales tax is 10%. If the shopkeeper has made a profit of 12%, then the cost price of the article is

[www.competoid.com]

- (a) Rs.500 (b) Rs.515
(c) Rs.550 (d) Rs.600

@@

Answer: Rs.500

The selling price of 20 articles is equal to the cost price of 22 articles. The gain percentage is

[www.competoid.com]

- (a) 12% (b) 9%
(c) 10% (d) 11%

@@

Answer: 10%

The selling price of 6 bananas is equal to the cost price of 8 bananas. Then the percentage of profit is

[www.competoid.com; www.examveda.com]

- (a) 20 (b) $33\frac{1}{3}$
(c) 25 (d) 30

(b)

Answer: 33133313

The selling price of 8 articles is same as the cost price of 10 articles. What is profit % ?

[www.examveda.com; www.competoid.com]

- (a) 25% (b) 30%
(c) 22% (d) 33%

(a)

The SP of 20 bicycles is equal to CP of 25 bicycles. The profit in percent is

[www.competoid.com]

- (a) 20% (b) 25%
(c) 30% (d) none of these

(b)

Answer: 25%

The value of machine depreciates at the rate of 12 per cent per annum. It was purchased three years ago. Its present value is Rs.29644,032. what was the purchase price of the machine?

[www.competoid.com]

- (a) Rs.48700 (b) Rs.43500
(c) Rs.38900 (d) Rs.39000

(b)

There would be a loss of 10% if an article is sold for 43.20. At what price should it be sold to gain 10% ?

[www.examveda.com; www.competoid.com]

- (a) Rs. 48.80 (b) Rs. 52.80
(c) Rs. 56.20 (d) Rs. 56.80

(b)

Three partners A, B and C started a business with an investment of Rs.14000 each. A withdrew Rs.2000 after two months. B invested Rs.2000 more and C invested Rs.4000 more at the same time. Total profit earned at the end of the year was Rs.54400. Find A's share in the profit.

[www.competoid.com]

- (a) Rs.12800 (b) Rs.14600
(c) Rs.14680 (d) Rs.15800

@@

Answer: Rs.12800

- ## To gain 10% on selling the mixture of milk and water at the cost price of pure milk, the quantity of water to be mixed with 50 kg of pure milk is = ?

[www.examveda.com; www.competoid.com]

- (a) 2.5 kg (b) 5 kg
(c) 7.5 kg (d) 10 kg **b**

- ## Two - third of a consignment was sold at a profit of 5% and the remainder at a loss of 2%. If the total profit was Rs. 400. Then the value of the consignment was = ?

[www.examveda.com; www.competoid.com]

- (a) Rs. 15000 (b) Rs. 15500
(c) Rs. 16000 (d) Rs. 16500 **a**

- ## Two bicycles were sold for Rs. 3990 each gaining 5% on one and losing 5% on other. The gain or Loss per cent on the whole transaction is :

[www.competoid.com]

- (a) neither gain nor loss (b) 2.5% gain
(c) 2.5% loss (d) 0.25% **@@**

Answer: 0.25%

- ## Two blends of a commodity costing Rs. 35 and Rs. 40 per kg respectively are mixed in the ratio 2 : 3 by weight. If one-fifth of the mixture is sold at Rs. 46 per kg and the remaining at the rate Rs. 55 per kg, the profit percent is

[www.competoid.com]

- (a) 50 (b) 20
(c) 40 (d) 30 **c**

- ## Two items A and B are sold at a profit of 10% and 15% respectively. If the amount of profit received is the same, then the cost price of A and B may be = ?

[www.examveda.com; www.competoid.com]

- (a) Rs. 1000, Rs. 1500 (b) Rs. 5000, Rs. 2000
(c) Rs. 3000, Rs. 2000 (d) Rs. 3000, Rs. 5000 **c**

- ## Two mobile phones are sold at Rs. 6000 each. The first mobile is sold at 20% profit and the other one at 25% loss. What is the percentage of loss or profit incurred during the deal?

[www.competoid.com]

- (a) 7.7% loss (b) 8.3 loss
(c) 9 % loss (d) 2% profit **a**

- ## Two mobile phones were purchased at the same price. One was sold at a profit of 30% and the second was sold at a price which was

- Rs.2500 less than the price at which the first was sold. If the overall profit earned by selling both the mobile phones was 5%, what was the cost price of one mobile phone?

[www.competoid.com]

- (a) Rs.8000 (b) Rs.5000
(c) Rs.6000 (d) Rs.4500 **b**

- ## Two motor cars were sold for Rs.9900 each, gaining 10% on one and losing 10% on the other. The gain or loss per cent in the whole transaction is

[www.competoid.com]

- (a) neither loss nor gain (b) 1% gain
(c) $\frac{100}{99}\%$ (d) 1% loss **d**

- ## Two successive discount of 10% and 20% are equivalent to a single discount of:

[www.examveda.com]

- (a) 30% (b) 28%
(c) 26% (d) 25% **b**

- ## Two successive price increase of 10% and 10% of an article are equivalent to a single price increase of:

[www.examveda.com]

- (a) $26\frac{2}{3}$ (b) 25%
(c) 21% (d) $33\frac{1}{3}$ **c**

- ## Vishal goes to a shop to buy a radio costing Rs.2568. The rate of sales tax is 7%. He tells the shopkeeper to reduce the price of the radio to such an extent that he has to pay Rs.2568, inclusive of sales tax. Find the reduction needed in the price of the radio.

[www.competoid.com]

- (a) Rs.179.76 (b) Rs.170
(c) Rs.168 (d) Rs.169 **@@**

Answer: Rs.168

- ## What is the single profit equivalent to two successive profits of 20% and 15%?

[www.competoid.com]

- (a) 38% (b) 35%
(c) 30% (d) 20% **a**

- ## What profit/loss per cent did Ravi earn if he purchased an item of Rs.5.600 and sold it at three-fourth of its cost price?

[www.competoid.com]

- (a) Loss of 20 per cent (b) Gain of 25 per cent
(c) Neither gain nor loss (d) None of these **d**

When a discount of 42 is allowed on the marked price of an article, the new reduced price becomes 86% of the original price. Find the marked price.

[www.competoid.com]

- (a) Rs. 250 (b) Rs. 300
(c) Rs. 350 (d) Rs. 400

@@

Answer: Rs. 300

When the price of cloth was reduced by 25%, the quantity of cloth consumption increased by 20% what was the effect on gross receipt of the shop?

[www.competoid.com]

- (a) 5% increase (b) 5% decrease
(c) 10% increase (d) 10% decrease

C

While selling a watch, a shopkeeper gives a discount of 5%. If he gives a discount of 7%, he earns Rs. 15 less as profit. The marked price of the watch is

[www.competoid.com]

- (a) 697.5 (b) 712.5
(c) 750 (d) None of these

C

While selling to the retailer, a company allows 30% discount on the marked price of their products. If the retailer sells those products at marked price, his profit % will be = ?

[www.examveda.com]

- (a) 30% (b) $\frac{17}{2}\%$
(c) 40% (d) $42\frac{6}{7}\%$

D

With a 5% discount on the cost of sugar a buyer could purchase 2 kg more sugar for Rs. 608. Selling Price of Sugar is:

[www.examveda.com]

- (a) Rs. 15.20 (b) Rs. 15
(c) Rs. 16.50 (d) Rs. 2

A

x sells two articles for Rs. 4000 each with no loss and no gain in the transaction. If one was sold at a gain of 25% the other is sold at a loss of = ?

[www.examveda.com; www.competoid.com]

- (a) 25% (b) $18\frac{2}{9}\%$
(c) $16\frac{2}{3}\%$ (d) 20%

C

X sold an article to Y at a gain of 10%. Y sold it to Z at a gain of 20%. If Z paid

Rs.2,640 for it, what did it cost to X.

[www.competoid.com]

- (a) Rs.1500 (b) Rs.1700
(c) Rs.2000 (d) Rs.2500

C

A bought 4 bottles of beer and B bought one bottle of larger, larger per bottle costing twice that of the beer. C bought nothing but paid Rs.50, for his share of the drink which they mixed together and shared equally. If C's Rs.50 covered his share, then what is the cost of the larger?

[www.competoid.com]

- (a) Rs.50 (b) Rs.75
(c) Rs.30 (d) Rs.46

A

A calculator is bought for Rs.350 and sold at a gain of 15%. What will be the selling price of calculator (in Rs.)

[www.competoid.com]

- (a) Rs.385 (b) Rs.375
(c) Rs.472 (d) Rs.402.5

D

A cloth merchant has announced 25% rebate in prices. If one needs to have a rebate of Rs. 40 then how many metres of cloth costing Rs. 32 per metre he should purchase = ?

[www.examveda.com; www.competoid.com]

- (a) 6m (b) 5m
(c) 10m (d) 7m

B

A coconut merchant finds that the cost price of 2750 coconuts is the same as the selling price of 2500 coconuts. His loss or gain will be = ?

[www.examveda.com; www.competoid.com]

- (a) 5% (b) 10% gain
(c) 15% loss (d) 20% gain

B

A company charges a fixed rental of Rs. 350 per month. It allows 200 calls free per month. Each call is charge at Rs. 1.4 when the number of calls exceed 200 per month and it charges Rs. 1.6 when the number of calls exceeds 400 per month and so on. A customer made 150 calls in February and 250 calls in march. By how much percent each call is cheaper in March than each call in February.

[www.examveda.com]

- (a) 28% (b) 25%
(c) 18.5% (d) 16%
(e) None of these

A

A company offers three types of successive discounts

i. 25% and 15%

- ii. 35% and 10%
iii. 35% and 5%
Which offer is the best for a customer ?
[www.examveda.com]
- (a) First offer (b) Second offer
(c) Third offer (d) Any one, all are equally good **(c)**
- ## A customer saves Rs. 320 at the rebate of 20% on marked price of an article. If the cost price of the article for shopkeeper is Rs. 1000, then the profit percent of shopkeeper is:
[www.competoid.com]
- (a) 30% (b) 28%
(c) 20% (d) 25% **(b)**
- ## A dealer allows a discount of 15%. A customer pays an amount of Rs. 318.75 for an article. At what price is the article listed ?
[www.examveda.com; www.competoid.com]
- (a) Rs. 366.50 (b) Rs. 375.00
(c) Rs. 350.00 (d) Rs. 431.25 **(b)**
- ## A dealer bought 80 cricket bats for Rs. 50 each. He sells 20 of them at a gain of 5%. What must be the gain percentage of the remaining bats, so as to get 10% gain on the whole?
[www.competoid.com]
- (a) $3\frac{2}{11}$ (b) $12\frac{1}{2}$
(c) $11\frac{2}{3}$ (d) Rs. 3350 **(c)**
- ## A dealer fixed the price of an article 40% above the cost of production. While selling it he allows a discount of 20% and makes a profit of Rs. 48. The cost of production (in Rs.) of the article is
[www.competoid.com]
- (a) 320 (b) 400
(c) 420 (d) 360 **(b)**
- ## A dealer is selling an article at a discount of 5% on the marked price. If the marked price is 12% above the cost price and the article was sold for Rs. 532 then the cost price is (in Rs.)
[www.competoid.com]
- (a) 500 (b) 525
(c) 505 (d) 520 **(a)**
- ## A dealer makes a profit of 20% even after giving a 10% discount on the advertised price of a scooter. If he makes a profit of Rs. 7500 on the sale of the scooter. the advertised price was
[www.competoid.com]
- (a) Rs. 45000 (b) Rs. 47500
(c) Rs. 50000 (d) Rs. 52500 **(c)**
- ## A dealer marks his goods 20% above cost price. He then allows some discount on it and makes a profit of 8%. The rate of discount is
[www.competoid.com]
- (a) 4% (b) 6%
(c) 10% (d) 12% **(c)**
- ## A dealer purchased a washing machine for Rs. 7660. After allowing a discount of 12% on its marked price, he still gains 10%. Find the marked price of the washing machine = ?
[www.examveda.com; www.competoid.com]
- (a) Rs. 9575 (b) Rs. 8426
(c) Rs. 8246 (d) Rs. 9755 **(a)**
- ## A dealer sold an article at 6% loss. Had he sold it for Rs. 64 more, he would have made a profit of 10%. Then the cost of the article is
[www.examveda.com; www.competoid.com]
- (a) Rs. 400 (b) Rs. 200
(c) Rs. 164 (d) Rs. 464 **(a)**
- ## A dealer sold three-fourth of his articles at a gain of 24% and the remaining at the cost price. Percentage of gain in the whole transaction is
[www.competoid.com]
- (a) 15 (b) 18
(c) 24 (d) 32 **(b)**
- ## A dealer sold $\frac{3}{4}$ of his articles at a gain of 20% and the remaining at cost price. The gain per cent earned by him in the whole transaction is
[www.competoid.com]
- (a) 13 (b) 14
(c) 15 (d) 16 **(c)**
- ## A discount of 10% is given by a salesman for cash payment. What should be the marked price if he wants to earn a profit of 5% ?
[www.examveda.com; www.competoid.com]
- (a) 16.67% (b) 15%
(c) 22% (d) 10% **(a)**
- ## A discount series of p% and q% on an invoice is the same as a single discount of -
[www.examveda.com]
- (a) $\left[p + q + \frac{pq}{100}\right]\%$ (b) $\left[p - q + \frac{pq}{100}\right]\%$
(c) $100 - \left[p + q + \frac{pq}{100}\right]\%$ (d) None of these **(d)**

A dishonest dealer marks up the price of his goods by 20% and gives a discount of 10% to the customer. He also uses a 900 gram weight instead of a 1 kilogram weight. Find his percentage profit due to these maneuvers? [www.examveda.com]

- (a) 8% (b) 12%
(c) 20% (d) 16%

C

A dishonest dealer marks up the price of his goods by 20% and gives a discount of 10% to the customer. Besides, he also cheats both his supplier and his buyer by 100 grams while buying or selling 1 kilogram. Find the percentage profit earned by the shopkeeper? [www.examveda.com]

- (a) 20% (b) 25%
(c) 32% (d) 46.66%
(e) 50%

C

A dishonest dealer purchases goods at 20% discount of the cost price of Rs. X and also cheats his wholesaler by getting 20% extra through false weighing, per kg. Then he marks up his goods by 80% of x, but he gives a discount of 25% besides he cheats his customer by weighing 10% less than the required. What is his overall profit percentage? [www.examveda.com]

- (a) 125% (b) 100%
(c) 98.66% (d) 120%
(e) None of these

A

A dishonest shopkeeper, using a faulty balance makes a profit of 5% while buying as well as while selling his goods. His actual gain percent in the whole process amounts to [www.competoid.com]

- (a) 11 (b) 10
(c) 10.25 (d) 10.5

C

A dishonest trader claims that his selling price is equal to C. P. but weighs 900 gm instead of 1 kg. Find his percentage gain. [www.competoid.com]

- (a) $18\frac{2}{9}\%$ (b) $16\frac{4}{9}\%$
(c) $11\frac{1}{9}\%$ (d) $19\frac{1}{9}\%$

C

A dishonest trader marks up his goods by 80% and gives discount of 25%. Besides he gets 20% more amount per kg from wholesaler and sells 10% less per kg to

customer. What is the overall profit percentage? [www.examveda.com]

- (a) 50% (b) 60%
(c) 70% (d) 80%
(e) None of these

D

A driver of auto rickshaw makes a profit of 20% on every trip when he carries 3 passengers and the price of petrol is Rs. 30 a litre. Find the % profit for the same journey if he goes for 4 passengers per trip and the price of petrol reduces to Rs. 24 litres? (revenue per passenger is same) [www.examveda.com]

- (a) 20% (b) 33.33%
(c) 100% (d) 65.66%
(e) Data inadequate

C

A fruit seller buys 700 oranges at the rate of Rs.500 for 100 oranges and another variety of 500 oranges at the rate of Rs.700 for 100 oranges and sells them at Rs.84 per dozen. The profit per cent is [www.competoid.com]

- (a) 20% (b) 40%
(c) 30% (d) 10%

A

A fruit seller buys some oranges and by selling 40% of them he realizes the cost price of all the oranges. As the oranges being to grow over-ripe, he reduces the price and sells 80% of the remaining oranges at half the previous rate of profit. The rest of the oranges being rotten are thrown away. The overall percentage of profit is: [www.examveda.com]

- (a) 80 (b) 84
(c) 94 (d) 96

B

A furniture seller sells two tables at Rs.1500 each. He earned a profit of 20% on one table and suffered a loss of 20% on the another table. Net profit or loss in this deal is [www.competoid.com]

- (a) 4% loss (b) 4% profit
(c) Neither profit nor loss (d) 10% loss

A

A grocer professes to sell goods at the cost price but uses false weights. He gains $\frac{100}{9}\%$ in this manner. He uses a weight of [www.examveda.com]

- (a) 950gms (b) 900gms
(c) 930gms (d) 940gms

B

- ## A grocery dealer cheats to the extent of 10% while buying as well as selling by using false weight. What is his increase in the profit percentage = ?
[www.examveda.com; www.competoid.com]
(a) 20% (b) 21%
(c) 22% (d) None of these **(b)**
- ## A horse and a carriage together cost Rs.8000. If by selling the horse at a profit of 10% and the carriage at a loss of 10% a total profit of 2.5% is made, then what is the cost price of the horse?
[www.competoid.com]
(a) Rs.3000 (b) Rs.3500
(c) Rs.4000 (d) Rs.5000 **(d)**
- ## A house and a shop were sold for Rs. 1 lakh each. In this transaction, the house sale resulted into 20% loss whereas the shop sale resulted into 20% profit. The entire transaction resulted in -
[www.examveda.com]
(a) No loss, no gain (b) Loss of Rs. $\frac{1}{12}$ lakh
(c) Loss of Rs. $\frac{1}{18}$ lakh (d) Gain of Rs. $\frac{1}{24}$ lakh **(b)**
- ## A house costs C rupees. Later it was sold for a profit of 25%. What is the capital gains tax if it is 50% of the profit (in rupees)?
[www.competoid.com]
(a) $\frac{C}{24}$ (b) $\frac{C}{8}$
(c) $\frac{C}{4}$ (d) $\frac{C}{2}$ **(b)**
- ## A house was sold for Rs. by giving a discount of x% , then the list price was = ?
[www.examveda.com; www.competoid.com]
(a) $\frac{100y}{1-x}$ (b) $\frac{100x}{100-y}$
(c) $\frac{1400y}{100-x}$ (d) $\frac{100x}{100-x}$ **(c)**
- ## A house worth Rs. 150000 is sold by X at a 5% profit to Y, Y sells the house back to X at a 2% loss. Then find profit and loss in the entire transaction = ?
[www.examveda.com; www.competoid.com]
(a) X gains Rs. 4350 (b) X loses Rs. 4350
(c) X gains Rs. 3150 (d) X loses Rs. 3150 **(c)**
- ## A loss of 20% is incurred when 6 articles are sold for a rupee. To gain 20% how many articles should be sold for a rupee ?
[www.competoid.com]
(a) 1 (b) 2
(c) 3 (d) 4 **(d)**
- ## A man bought 20 dozen eggs for Rs. 720. What should be the selling price of each egg if he wants to make a profit of 20%?
[www.competoid.com]
(a) Rs. 3.25 (b) Rs. 3.30
(c) Rs. 3.50 (d) Rs. 3.60 **(d)**
- ## A man bought 25 crates of oranges for 10000. He lost 5 crates. In order to earn a total profit of 25% of the total cost, he would have to sell each of the remaining crates at = ?
[www.examveda.com; www.competoid.com]
(a) Rs. 650 (b) Rs. 625
(c) Rs. 600 (d) Rs. 575 **(b)**
- ## A man bought 50 dozen eggs of a rate of Rs. 4 per dozen. He finds 40 eggs rotten, In order to gains 5%, he should sell eggs at
[www.competoid.com]
(a) Rs. 4.50 per dozen (b) Rs. 5 per dozen
(c) Rs. 5.50 per dozen (d) Rs. 6.50 per dozen **(a)**
- ## A Man bought 500 metre of electric wire at 50 paise per metre he sold 50% part at the profit of 5%, at what % profit he sold remaining as to gain 10% on the whole transaction?
[www.competoid.com]
(a) 13% (b) 12.5%
(c) 15% (d) 20% **(c)**
- ## A man bought a horse and a cart. If he sold the horse at 10 % loss and the cart at 20 % gain, he would not lose anything; but if he sold the horse at 5% loss and the cart at 5% gain, he would lose Rs. 10 in the bargain. The amount paid by him was Rs. — for the horse and Rs. — for the cart. [www.examveda.com]
(a) 500, 300 (b) 200, 400
(c) 400, 200 (d) 300, 500 **(c)**
- ## A man bought a horse and sold it at a gain of 10%. If he had bought the horse at 20% less and sold it for Rs.100 more he would have a profit of 40%. The C.P of horse is
[www.competoid.com]
(a) Rs.2000 (b) Rs. 4000
(c) Rs.5000 (d) Rs.6000 **(c)**
- ## A man bought oranges at the rate of 8 for Rs. 34 and sold them at the rate of 12 for Rs. 57. How many oranges should be sold to earn a net profit of Rs. 45 ?
[www.examveda.com; www.competoid.com]
(a) 90 (b) 100

- (c) 135 (d) 150 **a**
A man buys 12 articles for Rs. 12/- and sells them at the rate of Rs. 1.25 per article. His gain percentage is:
 [www.competoid.com]
 (a) 20 (b) 25
 (c) 15 (d) 18 **b**
- ##** A man buys 3 cows and 8 goats in Rs. 47,200. Instead of he would have bought 8 cows and 3 goats he had to pay Rs. 53,000 more. Cost of one cow is :
 [www.competoid.com]
 (a) Rs. 11,000 (b) Rs. 12,000
 (c) Rs. 13,000 (d) Rs. 10,000 **b**
- ##** A man buys 4 tables and 5 chairs for Rs. 1000. If he sells the tables at 10 % profit and chairs at 20% profit, he earns a profit of Rs.120. What is the cost of one table?
 [www.competoid.com]
 (a) Rs. 200 (b) Rs. 220
 (c) Rs. 240 (d) Rs. 260 **a**
- ##** A man buys a certain number of oranges at 20 for Rs. 60 and an equal number at 30 for Rs. 60. He mixes them and sells them at 25 for Rs. 60. What is gain or loss percent ?
 [www.competoid.com]
 (a) Gain of 4% (b) Loss of 4%
 (c) Neither gain nor loss (d) Loss of 5% **b**
- ##** A man buys a chair and table for Rs. 6000. He sells the chair at a loss of 10% and the table at gain of 10%. He still gains Rs. 100 on the whole. Cost price of chair is:
 [www.examveda.com]
 (a) Rs. 2500 (b) Rs. 2850
 (c) Rs. 3050 (d) Rs. 3500 **a**
- ##** A man buys a field of agricultural land for Rs. 3,60,000. He sells one-third at a loss of 20% and two-fifths at a gain of 25%. At what price must he sell the remaining field so as to make an overall profit of 10%?
 [www.examveda.com]
 (a) Rs.1,00,000 (b) Rs. 1,15,000
 (c) Rs. 1,20,000 (d) Rs. 1,25,000 **c**
- ##** A man buys a table and a chair for 500. He sells the table at a loss of 10% and the chair at a gain of 10%. He still gain Rs. 10 on the whole. The cost price of chair in rupees is
 [www.competoid.com]
 (a) Rs. 200 (b) Rs. 250
- (c) Rs. 300 (d) Rs. 350 **c**
A man buys a toy for Rs. 25 and sells it for Rs. 30. His gain percent is = ? [www.examveda.com; www.competoid.com]
 (a) 20% (b) 10%
 (c) 5% (d) 2.5% **a**
- ##** A man gains 10% by selling an article for a certain price. If he sells it at double the price, then the profit made is [www.competoid.com]
 (a) 120% (b) 20%
 (c) 40% (d) 100% **a**
- ##** A man gains 20% by selling an article for a certain price. If he sells it at double the price, the percentage of profit will be :
 [www.competoid.com]
 (a) 40 (b) 140
 (c) 100 (d) 120 **b**
- ##** A man gets Rs. 13 more by selling an article at a profit of $12\frac{1}{2}\%$ than selling it at a loss $12\frac{1}{2}\%$. The cost price of the article is :
 [www.competoid.com]
 (a) Rs.25.50 (b) Rs. 38
 (c) Rs.52 (d) Rs. 65 **c**
- ##** A man loses 10% by selling an article for Rs.180. At what price should he sell it to gain 10%?
 [www.competoid.com]
 (a) Rs.220 (b) Rs.217.80
 (c) Rs.200 (d) Rs.216 **a**
- ##** A man purchased a bedsheet for Rs. 450 and sold it at a gain of 10% calculated on the selling price. The selling price of the bedsheets was [www.competoid.com]
 (a) Rs. 460 (b) Rs. 475
 (c) Rs. 480 (d) Rs. 500 **d**
- ##** A man purchased some eggs at 3 for Rs. 5 and sold them at 5 for Rs.12. Thus he gained Rs. 143 in all. the number of eggs he bought is
 [www.competoid.com]
 (a) 210 (b) 200
 (c) 195 (d) 190 **c**
- ##** A man purchased some fruits for Rs. 1000. He sold fruits worth 400 at 10% profit. At what profit per cent, must he sell the rest in order to gain 20% on the whole?
 [www.examveda.com]

- (a) $26\frac{2}{3}\%$ (b) 25%
(c) 30% (d) $33\frac{1}{3}\%$ **(a)**
- ## A man purchased the articles for Rs. 123684. He sold 60% of those at a profit of 16.66% and rest at a loss. Find the loss percentage on the remaining if the overall loss is 14%?
[www.examveda.com]
(a) 20% (b) 30%
(c) 60% (d) 66.66% **(c)**
- ## A man purchases some oranges at the rate of 3 for Rs. 40 and the same quantity at 5 for Rs. 60. If he sells all the oranges at the rate of 3 for Rs. 50, find his gain or loss percent (to the nearest integer) = ?
[www.examveda.com; www.competoid.com]
(a) 34% loss (b) 31% profit
(c) 31% loss (d) 32% profit **(d)**
- ## A man purchases two fans for Rs. 2,160. By selling one fan at a profit of 15% and the other at a loss of 9% he neither gains nor loss in the whole transaction. Find the cost price of each fan in Rs.
[www.competoid.com]
(a) 710,1450 (b) 1530,630
(c) 810,1350 (d) 1340,820 **(c)**
- ## A man sells a car to his friend at 10% loss. If the friend sells it for Rs. 54,000 and gains 20%, the original cost price of the car was
[www.competoid.com]
(a) Rs. 25,000 (b) Rs. 35,000
(c) Rs. 45,000 (d) Rs. 50,000 **(d)**
- ## A man sells an article at 15% profit. If he had sold it for Rs. 6 more, he would have gained 18% The man bought the article for
[www.competoid.com]
(a) 100 (b) 150
(c) 200 (d) 250 **(c)**
- ## A man sells an article at 5% profit. If he had bought it at 5% less and sold it for Re.1 less, he would have gained 10%. The cost price of the article is
[www.competoid.com]
(a) Rs.200 (b) Rs.150
(c) Rs.250 (d) Rs.240 **(a)**
- ## A man sells an article at a profit of 30%. If he had bought it at 10% loss, and sold it for Rs.28 less he would have gained 25%. Find

the Cost price of article.

- [www.competoid.com]
(a) Rs.280 (b) Rs.260
(c) Rs.160 (d) Rs.180 **(c)**
- ## A man sells calculator at the rate of Rs.250 each which includes a profit of 14%. What amount of profit will he earn in 19 days, if he sells seven calculators per day?
[www.competoid.com]
(a) Rs.4665 (b) Rs.4565
(c) Rs.4545 (d) Rs.4083 **(d)**
- ## A man sells two flats at the rate of Rs. 1.995 lakhs each. On one he gains 5% and on the other, he loses 5% . His gain or loss percent in the whole transaction is -
[www.examveda.com]
(a) 0.25% loss (b) 0.25% gain
(c) 2.5% loss (d) 25% loss **(a)**
- ## A man sells two horses for Rs.6000 each neither losing nor gaining in the deal. If he sold one horse at a gain of 25%, the other horse is sold at a loss of
[www.competoid.com]
(a) $16\frac{1}{3}\%$ (b) 24 %
(c) 20 % (d) 16 % **(c)**
- ## A man sells two pipes at Rs. 12 each. He gains 20% on one and loses 20% on the other. In the whole transaction, there is
[www.competoid.com]
(a) neither loss nor gain (b) Profit of Rs. 1
(c) Loss of Rs. 1 (d) profit of Rs. 2 5 **(c)**
- ## A man sold 20 apples for Rs. 100 and gained 20%. How many apples did he buy for Rs. 100?
[www.competoid.com]
(a) 20 (b) 22
(c) 24 (d) 25 **(c)**
- ## A man sold his watch at a loss of 10%. Had he sold it for Rs.140 more, he would have gained 10%. Find the cost price of the watch?
[www.competoid.com]
(a) Rs.700 (b) Rs.600
(c) Rs.750 (d) Rs.690 **(a)**
- ## A man sold his watch at a loss of 5%. Had he sold it for Rs. 56.25 more, he would have gained 10%. What is the cost price of the watch (in Rs.)?
[www.examveda.com]
(a) 365 (b) 370
(c) 375 (d) 390 **(c)**

- ## A man sold horses for Rs.960 each. On one he gains 20% and on another he losses 20%. How much does he gain or lose in the whole transaction? [www.competoid.com]
- (a) Profit 4 % (b) Loss 8 %
(c) Profit 8 % (d) Loss 4 % **d**
- ## A man sold some articles at a gain of 10%. He spent his total sale proceeds to purchase such articles again. This time, while selling them, he incurred a loss of 10%. His loss or gain in the transaction was [www.competoid.com]
- (a) 1% loss (b) 1% gain
(c) no profit no loss (d) 2% loss. **a**
- ## A man sold two articles at Rs. 375 each. On one, he gains 25% and on the other, he loses 25%. The gain or loss% on whole transaction is [www.competoid.com]
- (a) 6% loss (b) $4\frac{1}{6}\%$ profit
(c) Rs. 50 profit (d) $6\frac{1}{4}\%$ loss **d**
- ## A man sold two chairs at Rs. 1,200 each. On one he gained 20% and on the other he lost 20%. His gain or loss in the whole transaction is: [www.examveda.com]
- (a) 1% loss (b) 2% loss
(c) 4% loss (d) 15% gain **c**
- ## A man sold two horses for Rs.3000 each gaining 25% on the one and losing 25% on the other. His loss percent is [www.competoid.com]
- (a) $7\frac{1}{3}\%$ (b) $6\frac{1}{4}\%$
(c) $8\frac{1}{3}\%$ (d) $5\frac{5}{9}\%$ **b**
- ## A man sold two horses for Rs.990 each gaining 10% on the one and losing 10% on the other. His total gain or loss is [www.competoid.com]
- (a) gain of Rs.20 (b) loss of Rs.20
(c) gain of Rs.25 (d) loss of Rs.25 **b**
- ## A man sold two houses for Rs.96000 each. In the sale of the first house, he incurred 20% profit and in the sale of the second, he incurred 20% loss. What is the gain or loss percentage in total? [www.competoid.com]
- (a) 6% gain (b) 6% loss
(c) 4% gain (d) 4% loss **d**
- ## A man sold two huts for Rs.900 each gaining 10% on the one and losing 10% on the other. His gain or loss is [www.competoid.com]
- (a) gain of 1% (b) loss of 1%
(c) gain of $\frac{1}{2}\%$ (d) loss of $\frac{1}{2}\%$ **b**
- ## A man sold two watches, each for Rs.495. If he gained 10% on one watch and suffered a loss of 10% on the other, then what is the loss or gain percentage in the transaction? [www.competoid.com]
- (a) 1% gain (b) 1% loss
(c) $\frac{100}{99}$ (d) Neither gain nor loss **a**
- ## A man wanted to sell an article with 20% profit: but he actually sold at 20% loss for Rs. 480, at what price he wanted to sell it to earn the profit = ? [www.examveda.com; www.competoid.com]
- (a) Rs. 720 (b) Rs. 840
(c) Rs. 600 (d) Rs. 750 **a**
- ## A manufacturer of a certain item can sell all he can produce at the selling price of Rs.60 each. It costs him Rs. 40 in materials and labour to produce each item and he has overhead expenses of Rs.3000 per week in order to operate that plant. The number of units he should produce and sell in order to make a profit of at least Rs.1000 per week is: [www.competoid.com]
- (a) 250 (b) 800
(c) 400 (d) 200 **d**
- ## A merchant blends two varieties of tea from two different tea gardens, one costing Rs.45 per kg and other Rs.60 per kg in the ratio of 7 : 3 respectively. He sells the blended variety at Rs.54.45 per kg. His profit percent is [www.competoid.com]
- (a) 5% (b) 10%
(c) $9\frac{1}{11}\%$ (d) $11\frac{1}{6}\%$ **b**
- ## A merchant buys 25 litres of milk daily at the rate Rs. 12 per litre. He mixes 5 litres of water in it and sells at the rate [www.competoid.com]
- (a) 8% profit (b) 2% profit
(c) 4% profit (d) 6% profit **c**

A merchant buys an article for Rs. 27 and sells it at a profit of 10% of the selling price. The selling price of the article is :

[www.competoid.com]

- (a) Rs. 29.70 (b) Rs. 30
(c) Rs. 37 (d) Rs. 32 **(b)**

A merchant buys two items for Rs.7500. One item he sells at a profit of 16% and the other item at 14% loss. In the deal the merchant makes neither any profit nor any loss. What is the difference between selling price of both the items? (in rupees)

[www.competoid.com]

- (a) Rs.625 (b) Rs.610
(c) Rs.620 (d) Rs.630 **(c)**

A merchant earns a profit of 20% by selling a basket containing 80 apples whose cost is Rs.240 but he gives one fourth of it to his friend at cost price and sells the remaining apples. In order to earn the same profit, at what price must he sell each apple?

[www.competoid.com]

- (a) Rs. 3.00 (b) Rs. 3.60
(c) Rs. 3.80 (d) Rs. 4.80 **(c)**

A merchant finds his profit as 20% of the selling price. His actual profit is

[www.competoid.com]

- (a) 20% (b) 22%
(c) 25% (d) 30% **(c)**

A merchant has announced 25% rebate on prices of ready-made garments at the time of sale. If a purchaser needs to have a rebate of Rs. 400, then how many shirts, each costing Rs. 320, should he purchase?

[www.examveda.com]

- (a) 10 (b) 7
(c) 6 (d) 5 **(d)**

A merchant marked the price of an article by increasing its production cost by 40%. Now he allows 20% discount and gets a profit of Rs. 48 after selling it. The production cost is = ?

[www.examveda.com; www.competoid.com]

- (a) Rs. 320 (b) Rs. 360
(c) Rs. 400 (d) Rs. 440 **(c)**

A milkman bought 70 litres of milk for Rs. 630 and added 5 litres of water. If sells it at Rs. 9.00 per litres, his profit percentage is = ?

[www.examveda.com; www.competoid.com]

- (a) $8\frac{1}{5}\%$ (b) 7%
(c) $8\frac{2}{5}\%$ (d) $7\frac{1}{7}\%$ **(d)**

A milkman mixed the water with milk to gain 25% by selling the mixture at cost price. The ratio of water and milk is:

[www.competoid.com]

- (a) 5 : 4 (b) 1 : 5
(c) 4 : 5 (d) 1 : 4 **(d)**

A motorcycle is sold at a profit of 16%. Had it been sold for Rs.1000 more, the profit would have been 20%. It's CP is

[www.competoid.com]

- (a) Rs.20000 (b) Rs.22500
(c) Rs.25000 (d) Rs.27500 **(c)**

A person bought 50 pens for Rs. 50. He sold 40 of them at a loss of 5%. He wants to gain 10% on the whole. Then his gain percent on the remaining pens should be = ?

[www.examveda.com; www.competoid.com]

- (a) 15% (b) 40%
(c) 50% (d) 70% **(d)**

A person bought 8 quintal of rice for certain rupees. After a week, he sold 3 quintal of rice at 10% profit, 3 quintal of rice with neither profit nor loss and 2 quintal at 5% loss. In this transaction what is the profit?

[www.competoid.com]

- (a) 10% (b) 20%
(c) 25% (d) None of these **(d)**

A person bought a certain number of books for Rs. 80. If he had bought 4 more books for the same sum, each book would have cost Rs. 1 less. What is the price of each book?

[www.competoid.com]

- (a) Rs. 10 (b) Rs. 8
(c) Rs. 5 (d) Rs. 4 **(c)**

A person bought a certain quantity of rice at the rate of Rs. 150/quintal. 10% of the rice was spoiled. At what rate(per quintal) should he sell the remaining rice to earn 20% profit.

[www.examveda.com]

- (a) Rs. 180 (b) Rs. 200
(c) Rs. 210 (d) Rs. 220 **(b)**

A person bought an article and sold it at a loss of 10%. If he had bought for 20% less and sold it for Rs.55 more, he would have had a profit of 40%. Then Cost Price of the

article is.

- (a) Rs.200 (b) Rs.225
(c) Rs.250 (d) None of these **C**

A person bought two articles A and B for Rs. 5,000. he sold A at 20% profit and B at 10% loss. He thus gained 2% on his out lay. The cost price of A was

- (a) Rs. 3,000 (b) Rs. 2,500
(c) Rs. 2,000 (d) Rs. 3,500 **C**

A person bought two bicycles for Rs. 1600 and sold the first at 10% profit and the second at 20% profit. If he sold the first at 20% profit and the second at 10% profit. he would get Rs. 5 more. The difference of the cost price of the two bicycles was:

- (a) Rs. 50 (b) Rs. 40
(c) Rs. 25 (d) Rs.75 **A**

A person buys a book for Rs.200 and sells it for Rs.225. What will be his gain percent?

- (a) 13% (b) 14%
(c) 18.4% (d) 12.5% **D**

A person buys some pencils at 5 for a rupee and sells them at 3 for a rupee. His gain per cent will be:

- (a) $66\frac{2}{3}\%$ (b) $76\frac{2}{3}\%$
(c) $56\frac{2}{3}\%$ (d) $46\frac{2}{3}\%$ **A**

A person sells 400 mangoes at the cost price of 320 mangoes. His percentage of loss is

- (a) 10 (b) 15
(c) 20 (d) 25 **C**

A person sells an article for Rs. 75 and gains as much percent as the cost price of the article in rupees. The cost price of the article is = ?

- (a) Rs. 37.50 (b) Rs. 40
(c) Rs. 50 (d) Rs. 150 **C**

A person sold an article for Rs.3600 and got a profit of 20%. Had he sold the article for Rs.3150, how much profit would he have got?

[www.competoid.com]

- (a) 4% (b) 5%
(c) 6% (d) 10% **B**

A pharmaceutical company made 3000 strips of tablets at a cost of Rs. 4800. The company gave away 1000 strips of tablets to doctors as free samples. A discount of 25% was allowed on the printed price. Find the ratio profit if the price is raised from Rs. 3.25 to Rs. 4.25 per strip and if at the latter price, samples to doctors were done away with. (New profit / Old profit).

- (a) 55.5 (b) 63.5
(c) 75 (d) 99.25 **B**

A photographer allows a discount of 10% on the advertised price of a camera. The price (in Rs.) that must be marked on the camera, which cost him Rs. 600 to make a profit of 20% would be

- (a) 60 (b) 800
(c) 700 (d) 850 **B**

A piece of cloth costs Rs.35. If the length of the piece would have been 4 m longer and each metre costs Rs.1 less, the cost would have remained unchanged. How long is the piece?

- (a) 14 m (b) 10m
(c) 12m (d) 9m **B**

A producer of tea blends two varieties of tea from tea gardens one costing Rs.18 per kg and another Rs.20 per kg in the ratio 5 : 3. If he sells the blended variety at Rs.21 per kg, then his gain percentage is

- (a) 18 (b) 8
(c) 10 (d) 12 **D**

A profit of 20% is made if an article is sold at Rs.48. The selling price, it is actually sold at a loss of 10% would be

- (a) Rs.44 (b) Rs.40
(c) Rs.38 (d) Rs.36 **D**

A radio is sold for Rs. 990 at a profit of 10% . What would have been the actual profit or loss on it had it been sold for Rs. 890 ?

- (a) Rs. 10 loss (b) Rs. 10 profit
(c) Rs. 90 loss (d) Rs. 90 profit **A**

A reduction of 10% in the price of tea enables a dealer to purchase 25 kg more tea for Rs. 22500. What is the reduced price per kg of tea? [www.examveda.com]

- (a) Rs. 70 (b) Rs. 80 (c) Rs. 90 (d) Rs. 100 **C**

A reduction of 15% in the price of the sugar enables to get 3 kg. more for Rs.170. What is the reduced price per kg. What was the original price per kg before reduction. [www.competoid.com]

- (a) Rs.8.5, Rs10 (b) Rs.9, Rs.10 (c) Rs.17, Rs.20 (d) None of these **A**

A reduction of 20% in the price of sugar enables a housewife to purchase 6 kg more for Rs. 240. What is original price per kg of sugar. [www.examveda.com]

- (a) Rs. 10 per Kg (b) Rs. 8 per Kg (c) Rs. 6 per Kg (d) Rs. 5 per Kg **A**

A reduction of 20% in the price of sugar enables a purchaser to obtain $2\frac{1}{2}$ kg more for Rs.160. Find the original price per kg of sugar. [www.competoid.com]

- (a) Rs.12 (b) Rs.15 (c) Rs.16 (d) Rs.18 **C**

A reduction of 20% in the price of sugar enables me to purchase 5 kg more for Rs. 600. Find the price of sugar per kg before reduction of price. [www.competoid.com]

- (a) Rs. 24 (b) Rs.30 (c) Rs. 32 (d) Rs. 36 **B**

A retailer gets a discount of 40% on the printed price of an article. The retailer sells it at the printed price. His gain percent is [www.competoid.com]

- (a) 40 (b) 55 (c) $66\frac{2}{3}$ (d) 75 **C**

A retailer increase the selling price by 25% due to which his profit percentage increase from 20% to 25%. What is the percentage increase in cost price? [www.examveda.com]

- (a) 20% (b) 30% (c) 25% (d) 50% **A**

A retailer purchased radiosets at the rate of Rs. 400 each from a wholesaler. He raised

the price by 30% and then allowed a discount of 8% on each set. His profit will be = ? [www.examveda.com; www.competoid.com]

- (a) 19% (b) 78.4% (c) 22% (d) 19.6% **D**

A retailer purchases a sewing machine at a discount of 15% and sells it for Rs.1955. In the bargain he makes a profit of 15%. How much is the discount which he got from the whole sale'. [www.competoid.com]

- (a) Rs.270 (b) Rs.290 (c) Rs.300 (d) None of these **C**

A sells a cycle to B at a profit of 20% and B sells it to C at a loss of 25%. If C bought the cycle for Rs. P, then the cost price of it for A was = ? [www.examveda.com; www.competoid.com]

- (a) Rs. $\frac{1}{20}$ P (b) Rs. $\frac{9}{20}$ P (c) Rs. $\frac{9}{10}$ P (d) Rs. $\frac{10}{9}$ P **D**

A sells a suitcase to B at 10% profit. If B pays Rs. 2860 for it, then the price of which A bought is = ? [www.examveda.com; www.competoid.com]

- (a) Rs. 1000 (b) Rs. 1600 (c) Rs. 2600 (d) Rs. 2500 **C**

A sells a watch to B and makes a loss of 12%. B makes a profit of $12\frac{1}{2}$ % by selling the watch to C. If A sells the watch to be at the cost of which C purchased it, then the percentage of loss or profit of A will be = ? [www.examveda.com; www.competoid.com]

- (a) 1% loss (b) 1% profit (c) 2% loss (d) 2% profit **A**

A sells an article to B at a profit of 10% B sells the article back to A at a loss of 10%. In this transaction: [www.examveda.com]

- (a) A neither losses nor gains (b) A makes a profit of 11% (c) A makes a profit of 20% (d) B loses 20% **B**

A sells an article to B at gain of 25% B sells it to C at a gain of 20% and C sells it to D at a gain 10%. If D pays Rs. 330 for it, how much did it cost to A? [www.examveda.com]

- (a) Rs. 200 (b) Rs. 250
(c) Rs. 275 (d) Rs. 290 **a**
- ## A sells an item at 20% profit to B. B sells it to C at 10% profit. C sells it to D at Rs.116 profit. Difference between the cost price of D and Cost price of A was Rs.500. How much did B pay to A for the item?
[www.competoid.com]
- (a) Rs.1,240 (b) Rs.1,250
(c) Rs.1,440 (d) Rs.1,450 **c**
- ## A sells his goods 10% cheaper than B and 10% nearer than C. How much would a customer of B save by purchasing Rs.100 worth of goods from C.
[www.competoid.com]
- (a) Rs. $22\frac{2}{9}$ (b) Rs.30
(c) Rs. $33\frac{1}{3}$ (d) Rs.25 **a**
- ## A shopkeeper after allowing a discount of 10% on the marked price, makes a profit of 8%. How much percent above the cost price is marked price.
[www.competoid.com]
- (a) 8 % (b) 48 %
(c) 20 % (d) 24 % **c**
- ## A shopkeeper allows 23% commission on his advertised price and still makes a profit of 10% . If he gains Rs. 56 on one item, his advertised price of the item, in Rs. is = ?
[www.examveda.com; www.competoid.com]
- (a) 820 (b) 780
(c) 790 (d) 800 **d**
- ## A shopkeeper allows 25% discount on his advertised price and to make a profit 25% on his outlay. What is the advertised price in Rs. on which he gains Rs. 6000?
[www.examveda.com; www.competoid.com]
- (a) Rs. 36000 (b) Rs. 40000
(c) Rs. 39000 (d) Rs. 42500 **b**
- ## A shopkeeper allows a discount of 10% on the marked price of a camera. Marked price of the camera, which cost him Rs. 600, to make a profit of 20% should be:
[www.competoid.com]
- (a) Rs. 800 (b) Rs. 650
(c) Rs. 750 (d) Rs. 700 **a**
- ## A shopkeeper bough a table marked at Rs.200 at successive discounts of 10% and 15% respectively. He spent Rs.7 on

transport and sold the table for Rs.208. What will be his profit percentage?

[www.competoid.com]

- (a) 35% (b) 40%
(c) 30% (d) 45% **c**
- ## A shopkeeper bought 15 kg of rice at the rate of Rs. 29 per kg and 25 kg of rice at the rate of Rs. 20 per kg. He sold the mixture of both types of rice at the rate of Rs. 27 per kg. His profit in this transaction is = ?
[www.examveda.com; www.competoid.com]
- (a) Rs. 125 (b) Rs. 150
(c) Rs. 140 (d) Rs. 145 **d**
- ## A shopkeeper bought 80 kg of sugar at the rate of Rs. 13.50 per kg. He mixed it with 120kg of sugar costing Rs. 16 per kg in order to make a profit of 20%, he must sell the mixture at
[www.competoid.com]
- (a) Rs.18 per kg (b) Rs.17 per kg
(c) Rs.16.40 per kg (d) Rs.15 per kg **a**
- ## A shopkeeper calculate percentage profit on the buying price and another on the selling price. What will be their difference in profits if both claim a profit of 20% on goods sold for Rs. 3000?
[www.examveda.com]
- (a) Rs. 200 (b) Rs. 100
(c) Rs. 150 (d) Rs. 400
(e) None of these **b**
- ## A shopkeeper gains 20% while buying the goods and 30% while selling them. Find his total gain per cent.
[www.competoid.com]
- (a) 50% (b) 36%
(c) 56% (d) 40% **c**
- ## A shopkeeper gives 10% discount on printed price of a certain article and yet he earns 20% profit. If his profit is Rs.45, what is the cost price of the article.
[www.competoid.com]
- (a) Rs.250 (b) Rs.275
(c) Rs.225 (d) Rs.300 **c**
- ## A shopkeeper increases the price of an object by 40% and then sells it at 25% discount on the marked price. If the selling price of such an object be Rs. 2100, its cost price for the shopkeeper was?
[www.examveda.com; www.competoid.com]
- (a) Rs. 3000 (b) Rs. 1500

- (c) Rs. 1750 (d) Rs. 2000 (d)
- ## A shopkeeper marked the price of an article 12.5% more than its cost price. Mr. Sharma purchased the same article at a discount of 20% on the marked price of the article but also paid VAT of 12% on the discounted price. Mr. Shanna then gave the article to his cousin for Rs.5200 and thereby earned a profit of 30% on the original cost price of the product. At what price did Mr. Shanna purchase the article from the shopkeeper?
[www.competoid.com]
- (a) Rs.4400 (b) Rs.4500 (d)
- (c) Rs.4000 (d) Rs.4032
- ## A shopkeeper marks his goods 15% above the cost price, but allows 20% discount for cash. His net loss is = ?
[www.examveda.com]
- (a) 3% (b) 5% (c)
- (c) 8% (d) 10%
- ## A shopkeeper purchased 50 dozen cups for Rs. 3000. Out of these, 60 cups were broken and could not be sold. At what rate per dozen should he sell the remaining cup to make a profit of 20% ?
[www.examveda.com; www.competoid.com]
- (a) Rs. 60 (b) Rs. 75 (c)
- (c) Rs. 80 (d) Rs. 90
- ## A shopkeeper purchased 510 eggs at the rate of Rs. 20 per dozen. 30 eggs were broken on the way. In order to make a gain of 20%, he must sell the remaining eggs at the rate of
[www.competoid.com]
- (a) Rs. 22.50 per dozen (b) Rs. 25.50 per dozen
- (c) Rs. 26 per dozen (d) Rs. 26.50 per dozen (b)
- ## A shopkeeper purchases two items for Rs. 520. One of them is sold gaining 16% and the other at a loss of 10%, thus making no profit or loss. What is the selling price of the item sold at loss ?
[www.examveda.com; www.competoid.com]
- (a) Rs. 288 (b) Rs. 232 (a)
- (c) Rs. 320 (d) Rs. 200
- ## A shopkeeper sells a transistor at 15% above its cost price. If he had bought it at 5% more than what he paid for it and sold it for Rs.6 more, he would have gained 10%. The cost price of the transistor is
[www.competoid.com]
- (a) Rs.870 (b) Rs.1000
- (c) Rs.1200 (d) Rs.1400 (c)
- ## A shopkeeper sells an article at 15% gain. Had he sold it for Rs. 18 more, he would have gained 18%. The cost price (in Rs.) of the article is
[www.competoid.com]
- (a) 540 (b) 318 (c)
- (c) 600 (d) 350
- ## A shopkeeper sells his goods at 20% profit. He weighs 10% less. His gain % is
- (a) 25% (b) 30% (c)
- (c) $33\frac{1}{3}\%$ (d) 40%
- ## A shopkeeper sells notebooks at the rate of Rs.45 each and a commission of 4%. He also sells pencil box at the rate of Rs.80 each and earns a commission of 20%. How much amount of commission will he earn in two weeks if he sells 10 notebooks and 6 pencil boxes a day?
[www.competoid.com]
- (a) Rs.1,956 (b) Rs.1,586 (d)
- (c) Rs.1,496 (d) Rs.1,596
- ## A shopkeeper sells rice at 10% profit and uses weight 30% less the actual measure. His gain percent is = ?
[www.examveda.com; www.competoid.com]
- (a) $57\frac{2}{3}\%$ (b) $57\frac{1}{7}\%$ (b)
- (c) $57\frac{2}{5}\%$ (d) $57\frac{3}{7}\%$
- ## A shopkeeper sold his goods at half the list price and thus lost 20%. If he had sold on the listed price, his gain percentage would be
[www.competoid.com]
- (a) 60% (b) 72% (a)
- (c) 20% (d) 35%
- ## A shopkeeper wishes to give 5% commission on the marked price of an article but also wants to earn a profit of 10%. If his cost price is Rs. 95, then marked price is:
[www.examveda.com]
- (a) Rs. 100 (b) Rs.110 (b)
- (c) Rs. 120 (d) Rs. 130
- ## A shopkeeper placed on display some shirts each with a marked price. He then posted a board $\frac{1}{4}$ off on shirts". If the cost of a shirt

was $\frac{2}{3}$ of the price at which it was actually sold, the ratio of cost and marked price of shirt was

[www.competoid.com]

- (a) 1 : 2 (b) 1 : 3
(c) 2 : 3 (d) 3 : 4 **a**

A shopman bought pens at the rate of 7 for Rs. 10 and sold them at a profit of 40%. How many pens would a customer get for Rs. 10?

[www.competoid.com]

- (a) 6 (b) 4
(c) 5 (d) 3 **c**

A started a business with an investment of Rs.14,000. After 2 months B joins in with $\frac{6}{7}$ of the amount that A invested and A withdraws Rs.4000. After 2 more months, C joins with Rs.8000 and A again withdraws Rs.2000. After an year, If C received Rs.2,656 as his share then what was the total profit? (in Rs.)

[www.competoid.com]

- (a) Rs.16,954 (b) Rs.11,668
(c) Rs.12,284 (d) Rs.14,326 **c**

Answer: Rs.12,284

A trader marked the price of a commodity so as to include a profit of 25% , but allow discount of 16% on the marked price. His actual profit will be = ?

[www.examveda.com; www.competoid.com]

- (a) 16% (b) 25%
(c) 5% (d) 9% **c**

A trader mixes 26 kg of rice at Rs. 20 per kg with 30 kg of rice of other variety at Rs. 36 per kg and sells the mixture at Rs. 30 per kg. His profit percent is:

[www.examveda.com; www.indiabix.com]

- (a) No profit, no loss (b) 5%
(c) 8% (d) 10%
(e) None of these **b**

A trader sells 145 metres of cloth for Rs.12,325 at the profit of Rs.10 per metre of cloth. What is the cost price of 1 metre of cloth?

[www.competoid.com]

- (a) Rs.65 (b) Rs.75
(c) Rs.95 (d) Rs.85 **b**

A trader sells an article and loses $12\frac{1}{2}\%$. The ratio of cost price to the selling price is -

[www.examveda.com]

- (a) 7 : 8 (b) 9 : 8
(c) 8 : 7 (d) 8 : 9 **c**

A trader sells an article at Rs. 130 which he had bought for Rs. 90. The gain is

[www.competoid.com]

- (a) $34\frac{4}{9}$ (b) $42\frac{4}{9}$
(c) $44\frac{4}{9}$ (d) 44 **c**

A trader sells two brands of petrol; one is Extra Premium and other one is speed. He mixes 12 litres Extra Premium with 3 litres of speed and by selling this mixture at the price of Extra Premium he gets the profit of 9.09. If the price of Extra Premium Rs. 48 per litre, then the price of Speed is:

[www.examveda.com]

- (a) Rs. 38 per litre (b) Rs. 42 per litre
(c) Rs. 28 per litre (d) Rs. 18 per litre
(e) None of These **c**

A trader sells two bullocks for Rs. 8400 each, neither losing nor gaining in total. If he sold of one of the bullocks at a gain of 20%, the other is sold at a loss of = ?

[www.examveda.com; www.competoid.com]

- (a) 20% (b) $18\frac{2}{9}\%$
(c) $14\frac{2}{7}\%$ (d) 21% **c**

A tradesman fixed his selling price of goods at 30% above the cost price. He sells half the stock at this price, one-quarter of his stock at a discount of 15% on the original selling price and rest at a discount of 30% on the original selling price. Find the gain percentage altogether?

[www.examveda.com]

- (a) 14.875% (b) 15.375%
(c) 15.575% (d) 16.375%
(e) 16.5% **b**

A vegetable seller sells his vegetables at 20% profit. At the same time he uses false weights, which is 10% less than the actual weight. What will be his total gain percentage?

[www.competoid.com]

- (a) 25% (b) 30%
(c) 33.33% (d) $18\frac{7}{9}\%$ **(c)**
[www.competoid.com]
- ## A vendor purchased 40 dozen bananas for Rs. 250. Out of these 30 bananas were rotten and could not be sold. At what rate per dozen should he sell the remaining bananas to make a profit of 20%?
[www.competoid.com]
(a) Rs. 12 (b) Rs. 10
(c) Rs. 8 (d) Rs. 6 **(c)**
- ## A vendor sells lemons at the rate of 5 for Rs. 14, gaining thereby 40%. For how much did he buy a dozen lemons?
[www.competoid.com]
(a) Rs. 20 (b) Rs. 21
(c) Rs. 24 (d) Rs. 28 **(c)**
- ## A watch costing Rs. 120 was sold at a loss of 15%. At what price was it sold?
[www.examveda.com]
(a) Rs. 112 (b) Rs. 102
(c) Rs. 135 (d) Rs. 110 **(b)**
- ## A watch dealer pays 10% customs duty on a watch which costs Rs. 500 abroad. He desires to make a profit of 20% after giving a discount of 25% to the buyer. The marked price should be
[www.competoid.com]
(a) Rs. 950 (b) Rs. 800
(c) Rs. 880 (d) Rs. 660 **(c)**
- ## A wholesaler gives 10% discount and then 20% discount. The total discount is
[www.competoid.com]
(a) 30% (b) 28%
(c) 25% (d) None of these **(b)**
- ## After allowing a discount of 11.11%, a trader still makes a gain of 14.28%. At how many percent above the cost price does he mark on his goods?
[www.examveda.com]
(a) 28.56% (b) 35%
(c) 22.22% (d) None of these **(a)**
- ## Ajay bought a motor cycle for Rs. 50,000. 2 years later he sold it to Vijay at 10% less of the cost price. Vijay spend 5% of the purchasing price on its maintenance. Later Vijay displayed the sale price of his motorcycle Rs. 50,000. Chetan wanted to purchase it at 15% discount but Vijay gave him two successive discounts of 10% and 5% instead of 15% in one time. What is the actual discount availed by Chetan?
[www.examveda.com]
(a) 15% (b) 15.5%
(c) 14.5% (d) 16.5%
(e) Cannot determined **(c)**
- ## An article costing Rs.300 is being sold at 15% loss. If the price is further reduced by 6% the selling price will be
[www.competoid.com]
(a) Rs.260 (b) Rs.240
(c) Rs.255 (d) Rs.230 **(b)**
- ## An article is listed at Rs. 920. A customer pays Rs. 742.90 for it after getting two successive discounts. If the rate of first discount is 15%, the rate of 2nd discount is:
[www.examveda.com]
(a) 3% (b) 5%
(c) 8% (d) 12% **(b)**
- ## An article is sold at 5% profit. The ratio of selling Price and cost price will be
[www.competoid.com]
(a) 1 : 5 (b) 20 : 21
(c) 21 : 20 (d) 5 : 1 **(c)**
- ## An article is sold at a loss of 10%. Its cost price is Rs.800. A discount of 20% was offered on the labeled price while selling. What is the loss per cent at the labeled price?
[www.competoid.com]
(a) 10% (b) 15%
(c) 20% (d) 25% **(c)**
- ## An article is sold at a profit of 25%. If the selling price is doubled, the profit % will be:
[www.competoid.com]
(a) 200% (b) 150%
(c) 100% (d) 50% **(b)**
- ## An article marked at Rs. 540 is sold at Rs. 496.80 in an off - season offer. Then the rate of discount offered (in percent) is = ?
[www.examveda.com; www.competoid.com]
(a) 7% (b) 7.5%
(c) 8% (d) 10% **(c)**
- ## An article was sold for Rs.5220 at a loss of 42% of the cost price. What will be the selling price of the article for a profit of 42%?
[www.competoid.com]
(a) Rs.12580 (b) Rs.17280
(c) Rs.12780 (d) Rs.15280 **(c)**

- ## An article which costs Rs.240 was sold at a profit of 5%. What was the selling price?
[www.competoid.com]
(a) Rs.262 (b) Rs.252
(c) Rs.250 (d) Rs.232 **b**
- ## An article which is marked at Rs. 975 is sold for Rs. 897. The % discount is = ?
[www.examveda.com; www.competoid.com]
(a) 12% (b) 10%
(c) 6% (d) 8% **d**
- ## An egg seller sells his eggs only in the packs of 3 eggs, 6 eggs, 9 eggs, 12 eggs etc., but the rate is not necessarily uniform. One day Raju (which is not the same egg seller) purchased at the rate of 3 eggs for a rupee and the next hour he purchased equal number of eggs at the rate of 6 eggs for a rupee. Next day he sold all the eggs at the rate of 9 eggs for Rs. 2. What is his percentage profit or loss?
[www.examveda.com]
(a) 10% loss (b) 11.11% loss
(c) 3% loss (d) 2.5% profit
(e) None of These **b**
- ## An item costing Rs. 840 was sold by a shopkeeper at a gain of 10% and it was again sold by the new buyer at a loss of 5%. Find selling price of the item is = ?
[www.examveda.com; www.competoid.com]
(a) Rs. 877.80 (b) Rs. 798
(c) Rs. 924 (d) Rs. 37.80 **a**
- ## Anita purchased a bicycle at a cost of Rs. 3200. She sold it at a loss of Rs.240. At what price did she sell the bicycle?
[www.competoid.com]
(a) Rs.2960 (b) Rs.2690
(c) Rs.3440 (d) Rs.3360 **a**
- ## Arun bought toffees at 6 for a rupee. How many for a rupee he should sell to gain 20%?
[www.examveda.com]
(a) 2 (b) 3
(c) 4 (d) 5 **d**
- ## At what percentage above the cost price must an article be marked so as to gain 33% after allowing a customer a discount of 5% ?
[www.examveda.com; www.competoid.com]
(a) 40% (b) 45%
(c) 35% (d) 47% **a**
- ## By selling 12 kg of potatoes for 63, a shopkeeper gains 5%. What does his gain or loss percent by selling 50 kg of the same potatoes for 247.50 ?
[www.examveda.com; www.competoid.com]
(a) 1% profit (b) 1% loss
(c) No profit no loss (d) 2.5% profit **b**
- ## By selling 144 hens Mahesh suffered a loss equal to the selling price of 96 hens. His loss per cent is
[www.competoid.com]
(a) 40 (b) 30
(c) 50 (d) 41 **a**
- ## By selling 15 mangoes, a fruit seller gains the selling price of 3 mangoes. His gain is
[www.competoid.com]
(a) 25% (b) 16%
(c) 24% (d) 27% **a**
- ## By selling 150 mangoes, a fruit seller gains the selling price for 30 mangoes. His gain is
[www.competoid.com]
(a) 25% (b) 16%
(c) 24% (d) 17% **a**
- ## By selling 18 chocolates, a vendor loses the selling price of 12 chocolates. Find his loss percent.
[www.competoid.com]
(a) 9% (b) 10%
(c) 11% (d) 12% **b**
- ## By selling 25 pens, a man loses the cost price of 5 pens. His losses is
[www.competoid.com]
(a) 25% (b) 20%
(c) 16% (d) 24% **b**
- ## By selling a basket for Rs. 119.50, a shopkeeper gains 30%. For how much should he sell it to gain 40%?
[www.competoid.com]
(a) Rs. 21 (b) Rs. 21.50
(c) Rs.24 (d) Rs. 23 **a**
- ## By selling a cellphone for Rs.2400, a shopkeeper make a profit of 25%. Then, his profit percentage, if he had sold it for Rs.2040, is
[www.competoid.com]
(a) 10% (b) 6.25%
(c) 6.50% (d) 15% **b**
- ## By selling a cycle for Rs.2345, a student loses 19%. His cost price is nearly
[www.competoid.com]

- (a) Rs.4000 (b) Rs.5000
(c) Rs.3000 (d) Rs.3500 **(c)**
- ## By selling an article at Rs. 1250, a gain of 25% is made on the cost price. At what price should the article be sold in order that a loss of 20% made on the selling price.
[www.competoid.com]
- (a) Rs. 800 (b) Rs. 850
(c) Rs. $833\frac{1}{3}$ (d) Rs. $833\frac{2}{3}$ **(a)**
- ## By selling an article at Rs.310, a merchant loses 7% on his outlay. The percentage of profit or loss when he sells the article at Rs.350 will be
[www.competoid.com]
- (a) loss 5% (b) profit 5%
(c) loss 10% (d) profit 7.5% **(a)**
- ## By selling an article for Rs. 364, a man loses 9%. His gain or loss percent if he sells it for Rs. 420 is
[www.competoid.com]
- (a) No loss no gain (b) Loss 5%
(c) Gain 5% (d) None of these **(c)**
- ## By selling an article for Rs. 960 a man incurs a loss of 4%; what was the cost price ?
[www.competoid.com]
- (a) Rs. 1,000 (b) Rs. 784
(c) Rs. 4,984 (d) Rs. 300 **(a)**
- ## Hotel Aditya has 10 single AC rooms, 5 double AC rooms and 18 non AC rooms. The fixed monthly rent of hotel is 150,000. The per day maintenance cost is Rs. 100 for double AC room, Rs. 75 for single AC room and Rs. 40 for non AC room. The per day charges are Rs. 600 for double AC room, Rs. 400 for single AC room and Rs. 250 for non AC room. In April 2003, the occupancy rate of non A/C room was 50%, 70% of single AC room and 40% of double AC rooms. Find the profit/loss % for that particular month.
[www.examveda.com]
- (a) 10.33% (profit) (b) 10.33% (loss)
(c) 5.67% (loss) (d) 5.67% (profit)
(e) No profit, no loss **(b)**
- ## If I would have purchased 11 articles for Rs. 10 and sold all the articles at the rate of 10 for Rs. 11, the profit percent would have

been = ?

[www.examveda.com; www.competoid.com]

- (a) 10% (b) 11%
(c) 21% (d) 100% **(c)**

- ## If selling price of an article is $\frac{8}{5}$ times of its cost price, the profit percent on it is = ?
[www.examveda.com; www.competoid.com]

- (a) 120% (b) 160%
(c) 40% (d) 60% **(d)**

- ## If the cost price of 10 chairs be equal to selling price of 18 chairs then the loss percent is
[www.competoid.com]

- (a) 9.6 (b) $44\frac{4}{9}$
(c) 20 (d) 37.5 **@@**

- ## If the cost price of an article is 80% of its selling price, the profit percent is :
[www.competoid.com]

- (a) 20% (b) $22\frac{1}{2}$ %
(c) 24% (d) 25% **@@**

Answer: 25%

- ## Rita bought a television set with 20% discount on the labelled price. She made a profit of Rs. 800 by selling it for Rs. 16,800. The labelled price of the set was
[www.competoid.com]

- (a) Rs.18,000 (b) Rs. 20,000
(c) Rs. 20,800 (d) Rs. 24,000 **(b)**

Answer: Rs. 20,000

- ## Salary is reduced by 40% and then increased by 50%. Then there is.
[www.competoid.com]

- (a) gain of 10% (b) loss of 10%
(c) no loss, no gain (d) none of these **(b)**

- ## The profit earned after selling an article for Rs.625 is same as the loss incurred after selling the article for Rs.435. The cost price of the article is
[www.competoid.com]

- (a) Rs.5220 (b) Rs.530
(c) Rs.540 (d) Rs.550 **(b)**

13

Ratio and Proportion

15 years ago the average age of a family of four members was 40 years. Two children were born in that span of 15 years. The present average age of the family remained unchanged. Among the two children who were born in between the 15 years. If the older child at present is 8 Years more than the younger one, What is the respective ratio between the present age of the older child and the present age of the younger child?

[www.competoid.com]

- (a) 9 : 4 (b) 7 : 3
(c) 7 : 6 (d) 9 : 5

@@

Answer: 9 : 5

20 boys and 25 girls form a group of social workers. During their membership drive, the same number of boys and girls joined the group (e.g. if 7 boys joined, 7 girls joined). How many members does the group have now. if the, ratio of boys to girls is 7 : 8?

[www.competoid.com]

- (a) 75 (b) 65
(c) 70 (d) 60

@@

Answer: 75

200 litres of a mixture contains milk and water in the ratio 17 : 3. After the addition of some more milk to it, the ratio of milk to water in the resulting mixture becomes 7 : 1. The quantity of milk added to it was =?

[www.examveda.com] [www.competoid.com]

- (a) 20 Litres (b) 40 Litres
(c) 60 Litres (d) 80 Litres

(b)

24 litre of a mixture contains milk and water in the ration 7 : 5. How much more water is to be added to get a new mixture containing milk and water in the ratio of 5 : 7?

[www.competoid.com]

- (a) 10 litre (b) 6.9 litre
(c) 9 litre (d) 9.6 litre

@@

Answer: 9.6 litre

4 years ago, the respective ratio between $\frac{1}{2}$ of A's age at that time and four times of B's age at that time was 5 : 12. Eight years hence $\frac{1}{2}$

of A's age at that time will be less than B's age at that time by 2 years. What is B's present age?

[www.competoid.com]

- (a) 10 years (b) 14 years
(c) 12 years (d) 5 years

@@

Answer: 10 years

49 kg of blended tea contain Assam and Darjeeling tea in the ratio 5 : 2 then the quantity of Darjeeling tea is to be added to the mixture to make the ratio of Assam to Darjeeling tea 2 : 1 is

[www.competoid.com]

- (a) 4.5 kg (b) 3.5 kg
(c) 5 kg (d) 6 kg

@@

Answer: 3.5 kg

8 litres are drawn from a cask filled with wine and is then filled with water. This operation is performed three more times. The ratio of the quantity of wine now left in cask to that of the total solution is 16 : 81. How much wine did the cask hold originally?

[www.examveda.com] [www.competoid.com]

- (a) 24 litres (b) 45 litres
(c) 49 litres (d) 44 litres

(a)

94 is divided into two parts in such a way that fifth part of the first and the eighth part of the second are in the ratio 3 : 4. The first part is = ?

[www.examveda.com] [www.competoid.com]

- (a) 30 (b) 36
(c) 40 (d) 28

(a)

A : b : c = 2 : 3 : 4 and $2a - 3b + 4c = 33$, then the value of c is = ?

[www.examveda.com]

- (a) 6 (b) 9
(c) 12 (d) $\frac{66}{7}$

(c)

A and B are two alloys in which ratios of gold and copper are 5 : 3 and 5 : 11 respectively. If these equally amount of two alloys are melted and made alloy C. What will be the ratio of gold and copper in alloy

C?

[www.examveda.com] [www.competoid.com]

- (a) 25 : 23 (b) 33 : 25
(c) 15 : 17 (d) 17 : 15

A and B are two alloys of gold and copper prepared by mixing metals in proportion 5 : 2 and 5 : 6 respectively. If equal quantities of alloys are melted to form a third alloy C, the proportion of gold and copper in C will be.

[www.competoid.com]

- (a) 9 : 8 (b) 8 : 9
(c) 45 : 32 (d) 32 : 45

@@

Answer: 45 : 32

A and B enter in to a partnership and A invests Rs. 10,000 in the partnership. At the end of 4 months he withdraws Rs.2000. At the end of another 5 months, he withdraws another Rs.3000. If B receives Rs.9600 as his share of the total profit of Rs.19,100 for the year, how much did B invest in the company?

[www.lofoya.com]

- (a) Rs. 12,000 (b) Rs. 8,000
(c) Rs. 6,000 (d) Rs. 96,000

(b)

A and B have money in the ratio 2 : 1. If A gives 2 to B, The money will be in ratio 1 : 1. What were the initial amounts they had ?

[www.competoid.com]

- (a) Rs. 12 and Rs. 6 (b) Rs. 16 and Rs. 8
(c) Rs. 8 and Rs. 4 (d) Rs. 6 and Rs. 3

@@

Answer: Rs. 8 and Rs. 4

A and B have their monthly incomes in the ratio 8 : 5 while their monthly expenditures are in the ratio 5 : 3. If they have saved Rs. 12,000 and Rs. 10,000 monthly respectively, then the difference in their monthly incomes is

[www.competoid.com]

- (a) Rs. 42,000 (b) Rs. 52,000
(c) Rs. 46,000 (d) Rs. 44,000

@@

Answer: Rs. 42,000

A and B start an enterprise together, with A as active partner. A invests Rs. 4000 and Rs. 2000 more after 8 months. B invests Rs. 5000 and withdraws Rs. 2000 after 9 months. Being the active partner, A takes Rs. 100 per month as allowance, from the profit. What is the share of B if the profit for the year is 6700 ?

[www.examveda.com] [www.competoid.com]

- (a) Rs. 3350 (b) Rs. 3250
(c) Rs. 2700 (d) Rs. 2800

(c)

A and B together can complete a task in 15 days. B and C together can complete the same task in 20 days. A and C together can complete the same task in 30 days. What is the respective ratio of the number of days taken by A while completing the same task alone to the number of days taken by C while completing the same task alone?

[www.competoid.com]

- (a) 2 : 3 (b) 1 : 4
(c) 1 : 3 (d) 3 : 1

@@

Answer: 1 : 3

A and B together have Rs. 158, C has Rs. 101 less than what A and B together have, and B has Rs. 23 more than C. The amount of A is :

[www.competoid.com]

- (a) Rs. 80 (b) Rs. 78
(c) Rs. 57 (d) Rs. 88

@@

Answer: Rs. 78

A bag contains an amount of Rs.214.50 made up of one dollar, 50 cents and 25 cents coins in the ratio 5 : 6 : 7. What is the total number of coins in the bag?

[www.competoid.com]

- (a) 360 (b) 396
(c) 540 (d) 576

@@

Answer: 396

A bag contains coins of Rs. 1, 50 paise and 25 paise in the ratio 2 : 3 : 5. If the total value of these coins is Rs. 228, then the number of 50 paise coins in that bag was

[www.competoid.com]

- (a) 144 (b) 124
(c) 112 (d) 96

@@

Answer: 144

A bag contains Rs.216 in the form of one rupee, 50 paise and 25 paise coins in the ratio of 2 : 3 : 4. The number of 50 paise coins is

[www.competoid.com]

- (a) 96 (b) 144
(c) 114 (d) 141

@@

Answer: 144

A bag contains three types of coins 1 rupee-coins, 50p-coins and 25 p-coins totalling 175 coins. If the total value of the coins of each kind be the same, the total amount in the bag

is

- (a) 75 (b) 175
(c) 300 (d) 126

[www.competoid.com]

Answer: 75

A besieged army camp had food for 2400 men for 18 days at 3.5 kgs a soldier a day. However, if they reckon that it will take 42 days for external support to rescue them, what proportion of the soldiers will go hungry everyday if they decide to cut down the ration to 1.8kgs a day per soldier.

[www.competoid.com]

- (a) 1 out of every 8 soldiers will go hungry each day.
(b) 1 out of every 6 soldiers will go hungry each day.
(c) 1 out of every 10 soldiers will go hungry each day.
(d) 1 out of every 9 soldiers will go hungry each day.

@@

Answer: 1 out of every 6 soldiers will go hungry each day.

A bottle is full of dettol. One-third of it is taken out and then an equal amount of water is poured into the bottle to fill it. This operation is done four times. Find the final ratio of dettol and water in the bottle.

[www.competoid.com]

- (a) 13 : 55 (b) 20 : 74
(c) 16 : 65 (d) 10 : 48

@@

Answer: 16 : 65

A box contains 420 coins of 1 rupee, 50 paise and 20 paise coins. The ratio of their values is 13 : 11 : 7. The number of 50 paise coins is = ?

[www.competoid.com] [www.examveda.com]

- (a) 42 (b) 78
(c) 66 (d) 132

(d)

A box contains Rs. 56 in the form of coins of 1 rupee, 50 paise and 25 paise. The number of 50 paise coins is double the numbers of 25 paise coins and four times the number of one rupee coins. How many 50 paise coins are there in the box?

[www.examveda.com] [www.competoid.com]

- (a) 52 (b) 64
(c) 32 (d) 16

(b)

A box filled with paper bundles weights 36 kg. If the weight of the box and paper

bundles respectively are in the ratio of 3 : 22 then the weight of the papers (in grams) is

[www.examveda.com] [www.competoid.com]

- (a) 30680 grams (b) 30710 grams
(c) 31500 grams (d) 31680 grams

@@

Answer: 31680 grams

A box has 1 rupee, 50 paise and 25 paise coins in the ratio 3 : 2 : 5 worth Rs. 252. The number of 25 paise coins in the box is = ?

[www.examveda.com] [www.competoid.com]

- (a) 96 (b) 144
(c) 240 (d) 48

(c)

A box has 210 coins of denominations one-rupee and fifty paise only. The ratio of their respective values is 13 : 11. The number of one-rupee coin is

[www.examveda.com]

- (a) 65 (b) 66
(c) 77 (d) 78

(d)

A bucket contains a mixture of two liquids A & B in the proportion 5 : 3. If 16 litres of the mixture is replaced by 16 litres of liquid B, then the ratio of the two liquids becomes 3 : 5. How much of the liquid B was there in the bucket?

[www.examveda.com]

- (a) 25 litres (b) 15 litres
(c) 18 litres (d) 24 litres
(e) None of these

(e)

A bucket contains a mixture of two liquids A and B in the proportion 7 : 5. If 9 litres of mixture is replaced by 9 liters of liquid B, then the ratio of the two liquids becomes 7 : 9. How much of the liquid A was there in the bucket ?

[www.examveda.com]

- (a) 21 liters (b) 23 liters
(c) 25 liters (d) 27 liters

(a)

A bus and a truck are available to cross a jungle. The speed of the truck is thrice that of the bus. The capacity of the truck is 50 persons and that of bus is 30 persons. The average occupancy of the bus is twice that of the truck. The tickets for the bus and the truck cost Re 1 and Re 1.50 respectively. What is the ratio of the average rupee collection of the truck to that of the bus in a day? Assume there is no wastage time between trips and the occupancy of the bus/truck is defined as the ratio of the actual

number of persons boarding it and its capacity.

[www.lofoya.com]

- (a) 15 : 41 (b) 15 : 2
(c) 15 : 8 (d) 15 : 7 **a**

A canister holds 36 litres of mixture of milk and water in the ratio 3 : 1. 15 litres of milk is added to the canister. The new ratio of the mixture is:

[www.competoid.com]

- (a) 12 : 5 (b) 14 : 3
(c) 7 : 4 (d) 9 : 4 @@

Answer: 14 : 3

A certain amount of money is divided among x, y and z. If x receives 25% more than y and y receives 25% less than z, then x : y : z is equal to

[www.competoid.com]

- (a) 14 : 12 : 13 (b) 15 : 12 : 16
(c) 10 : 9 : 12 (d) 12 : 10 : 11 @@

Answer: 15 : 12 : 16

A certain amount was divided between Ram and Ravi in the ratio 4 : 3. If Ravi's share is Rs.9000, the amount is

[www.competoid.com]

- (a) Rs.21000 (b) Rs.16000
(c) Rs.46000 (d) Rs.18000 @@

Answer: Rs.21000

A certain amount was to be distributed among A, B and C in the ratio 2 : 3 : 4 respectively, but was erroneously distributed in the ratio 7 : 2 : 5 respectively. As a result of this, B got Rs.40 less. What is the amount?

[www.competoid.com]

- (a) Rs.210 (b) Rs.270
(c) Rs.230 (d) Rs.280 @@

Answer: Rs.210

A certain amount was to be distributed among A, B and C in the ratio 3 : 4 : 5 respectively, but was erroneously distributed in the ratio 9 : 4 : 7 respectively. As a result of this B got Rs.60 less. What is the amount?

[www.competoid.com]

- (a) Rs.480 (b) Rs.460
(c) Rs.450 (d) Rs.440 @@

Answer: Rs.450

A certain distance is covered at a certain speed. If half of this distance is covered in

double the time, the ratio of the two speeds is

[www.competoid.com]

- (a) 4 : 1 (b) 1 : 4
(c) 2 : 1 (d) 1 : 2 @@

Answer: 1 : 4

A certain number is divided into two parts such that 5 times the first part added to 11 times the second part makes 7 times the whole. The ratio of the first part to the second part is

[www.competoid.com]

- (a) 2 : 1 (b) 5 : 11
(c) 1 : 2 (d) 2 : 3 @@

Answer: 2 : 1

A container contains 60 litre of milk. From this container 6 litre of milk was taken out and replaced by water. This process was repeated further two times. The quantity of milk left in the container is

[www.competoid.com]

- (a) 34.24 litre (b) 39.64 litre
(c) 43.74 litre (d) 47.6 litre @@

Answer: 43.74 litre

A contractor employed 25 labourers on a job. He paid Rs.275 for the work. After retaining 20% of this sum, he distributed the remaining amount amongst the labourers. If the number of men to women labourers was in the ratio 2 : 3 and their wages in the ratio 5 : 4, what wages did a woman labourer get?

[www.competoid.com]

- (a) Rs.10 (b) Rs.8
(c) Rs.12 (d) Rs.15 @@

Answer: Rs.8

A fort has provisions for 60 days. If after 15 days 500 men strengthen them and the food lasts 40 days longer, how many men are there in the fort?

[www.lofoya.com]

- (a) 3500 (b) 4000
(c) 6000 (d) None **b**

A fruit seller sold big, medium and small sized apples for Rs.15, Rs.10 and Rs. 5 respectively. The total number of apples sold were in the ratio 3 : 2 : 5. Find the average cost of an apple

[www.competoid.com]

- (a) Rs. 8 (b) Rs. 10
(c) Rs. 9 (d) Rs. 7 @@

Answer: Rs. 9

A invests Rs.4500 in a business. At the end of four months he withdraws Rs.500. At the end of another 4 months, he withdraws another Rs.1000. 8 joins him as a partner at the end of six months. If 'B' takes home Rs.6000 out of a total profit of Rs.10,600 for the year, how much did 'B' invest in the business?

[www.competoid.com]

- (a) Rs.15,000 (b) Rs.12,000
(c) Rs.10,000 (d) Rs.14,000 @@

Answer: Rs.10,000

A jar contains a mixture of two liquids A and B in the ratio 4 : 1. When 10 litres of the mixture was taken out and 10 litres of liquid B was poured into the jar, this ratio became 2 : 3. The quantity of liquid A contained in the jar initially was

[www.competoid.com]

- (a) 4 litres (b) 8 litres
(c) 16 litres (d) 40 litres @@

Answer: 16 litres

A man divided his wealth so that his son's share to his wife's share and the wife's share to his daughter's share are both in the ratio 4: 1 and the daughter's share is Rs.80,000. What is the value of the total Wealth?

[www.competoid.com]

- (a) Rs.16,80,000 (b) Rs.14,70,000
(c) Rs.12,60,000 (d) Rs.10,50,000 @@

Answer: Rs.16,80,000

A man divides his wealth of Rs.200,000 between his sons equally. How much did each son get?

[www.competoid.com]

- (a) Rs.40,000 (b) Rs.75,000
(c) Rs.50,000 (d) Rs.1,00,000 @@

Answer: Rs.1,00,000

A man has in all Rs. 640 in the denominations of one-rupee, five-rupee and ten-rupee notes. The number of each type of notes are equal. What is the total number he has?

[www.competoid.com]

- (a) 150 (b) 120
(c) 100 (d) 90 @@

Answer: 120

A man leaves Rs. 8,600 to be divided among 5 sons, 4 daughters and 2 nephews, If each daughter receives four times as much as each

nephew and each son receives five times as much as each nephew, how much does each daughter receive ?

[www.competoid.com]

- (a) Rs. 100 (b) Rs. 600
(c) Rs. 800 (d) Rs. 1000 @@

Answer: Rs. 800

A milkman makes 20% profit by selling milk mixed with water at Rs. 9 per litre. If the cost price of 1 litre pure milk is Rs. 10, then the ratio of milk and water in the mixture is

[www.competoid.com]

- (a) 3 : 1 (b) 4 : 1
(c) 3 : 2 (d) 4 : 3 @@

Answer: 3 : 1

A mixture contains alcohol and water in the ratio 4 : 3. If 5 litres of water is added to the mixture the ratio becomes 4 : 5. The quantity of alcohol in the given mixture is 1

[www.competoid.com] [www.examveda.com]

- (a) 3 litres (b) 4 litres
(c) 15 litres (d) 10 litres @@

Answer: 10 litres

A mixture contains milk and water in the ratio 5 : 1. On adding 5 litres of water, the ratio of milk and water becomes 5 : 2. The quantity of milk in the mixture is:

[www.examveda.com] [www.competoid.com]

- (a) 16 litres (b) 25 litres
(c) 32.5 litres (d) 22.75 litres @@

Answer: 25 litres

A noodles merchant buys two varieties of noodles the price of the first being twice that of the second. He sells the mixture at Rs 17.50 per kilogram thereby making a profit of 25. If the ratio of the amounts of the first noodles and the second noodles in the mixture is 2 : 3, then the respective costs of each noodles are

[www.lofoya.com]

- (a) Rs. 20, Rs. 10 (b) Rs. 24, Rs. 12
(c) Rs. 16, Rs. 8 (d) Rs. 26, Rs. 13 a

A particular sum was divided among A, B and C in the ratio 2 : 6 : 7 respectively. If the amount received by A was Rs.4,908, what was the difference between the amount received by B and C?

[www.competoid.com]

- (a) Rs.2,454 (b) Rs.3,494
(c) Rs.2,135 (d) Rs.2,481 @@

Answer: Rs.2,454

A ratio is equal to 4 : 5. if its antecedent is 180, find its consequent.

[www.competoid.com]

- (a) 220 (b) 225
(c) 260 (d) 245 @@

Answer: 225

A sail boat moves at the speed of 12 miles an hour with no one on board. The speed of the boat decreases by a quantity that varies directly as the cube root of the number of passengers who board the boat. With eight passengers on board, it travels at a speed of 8 miles an hour. How many passengers should board the boat so that it stops moving?

[www.competoid.com]

- (a) 180 Passengers (b) 218 Passengers
(c) 216 Passengers (d) 246 Passengers @@

Answer: 216 Passengers

A sink contains exactly 12 L of water. If water is drained from the sink until it holds exactly 6 L of water less than the quantity drained away, how many litres of water were drained away?

[www.competoid.com]

- (a) 2 L (b) 6 L
(c) 3 L (d) 9 L @@

Answer: 9 L

A sum of money is divided among A, B, C and D in the ratio of 3 : 5 : 9 : 13 respectively. If the share of C is Rs.2412 more than the share of A, then what is the total amount of money of B and D together?

[www.competoid.com]

- (a) Rs.4,422 (b) Rs.7,236
(c) Rs.6,030 (d) Rs.4,824 @@

Answer: Rs.7,236

A sum of money is divided among A, B, C so that to each rupee A gets, B gets 75 paise and C gets 45 paise. If C's share is Rs. 81, the sum is

[www.competoid.com]

- (a) Rs. 326 (b) Rs. 639
(c) Rs. 396 (d) Rs. 369 @@

Answer: Rs. 396

A sum of money is divided amongst A, B, C and D in the ratio of 3: 7: 9 : 13. If the share of B is RS. 4872, then what will be the total

amount of money of A and C together?

[www.competoid.com]

- (a) RS.8352 (b) RS.6998
(c) RS.9784 (d) RS.7456 @@

Answer: RS.8352

A sum of money is to be distributed among P, Q and R in the ratio 6 : 19 : 7. If R gives Rs.200 from his share to Q. the ratio of P, Q and R becomes 3 : 10 : 3. what is the total sum?

[www.competoid.com]

- (a) Rs. 6400 (b) Rs.12800
(c) Rs. 3200 (d) Data inadequate @@

Answer: Rs. 6400

A sum of money is to be divided among four persons in the ratio of 2 : 3 : 4 : 5. Out of the four, one person gets Rs.200 more than the other and Rs.100 less than another. What is the sum?

[www.competoid.com]

- (a) Rs.2800 (b) Rs.1400
(c) Rs.4200 (d) Cannot be determined @@

Answer: Rs.1400

A sum of money is to be divided equally among P, Q and R in the respective ratio of 5 : 6 : 7 and another sum of money is to be divided between S and T equally. If S got Rs. 2100 less than P, then how much amount did Q receive?

[www.competoid.com]

- (a) Rs. 2500 (b) Rs. 2000
(c) Rs. 1500 (d) Could not be determined @@

Answer: Could not be determined

A sum of Rs 2000 is divided into two parts such that one part is invested at 10 % pa, simple interest and the second part at 15% pa, simple interest. After 2 years, if Rs. 460 are received as interest, then the ration of investments of first and second part is

[www.competoid.com]

- (a) 7 : 4 (b) 4 : 3
(c) 7 : 3 (d) 6 : 4 @@

Answer: 7 : 3

A sum of Rs. 15525 is divided among Sunil, Anil and Jamil such that if Rs. 22, Rs. 35 and Rs. 48 be diminished from their shares respectively, their remaining sums shall be in the ratio 7 : 10 : 13. What would have been

the ratio of their sums if Rs. 16, Rs. 77, Rs. 37 respectively were added to their original shares?

- (a) 9 : 13 : 17 (b) 18 : 26 : 25
(c) 36 : 52 : 67 (d) None of these

Answer: 36 : 52 : 67

A sum of Rs. 300 is divided among P, Q and R in such a way that Q gets Rs. 30 more than P and R gets Rs. 60 more than Q. The ratio of their shares is

- (a) 5 : 3 : 2 (b) 2 : 3 : 5
(c) 3 : 2 : 5 (d) 2 : 5 : 3

Answer: 2 : 3 : 5

A sum of Rs. 36.90 is made up of 180 coins which are either 10 paise coins or 25 p coins. The number of 10 p coins is:

- (a) 48 (b) 54
(c) 56 (d) 60

A sum of Rs. 370 is to be divided among A, B and C such that $\frac{A's\ share}{B's\ share} = \frac{B's\ share}{C's\ share} = \frac{3}{4}$. A's share (in taka) is

- (a) 240 (b) 120
(c) 100 (d) 90

Answer: 90

A sum of Rs. 76 is divided among A, B and C in such a way that A gets Rs. 7 more than what B gets and B gets Rs. 6 more than what C gets. The ratio of their share is gets. The ratio of their share is = ?

- (a) 19 : 24 : 33 (b) 32 : 25 : 19
(c) 32 : 24 : 20 (d) 19 : 25 : 33

A sum of Rs.221 is divided among X, Y and Z such that X gets Rs.52 more than Y, Y gets Rs.26 more than Z. The ratio of the shares of X, Y and Z respectively is:

- (a) 9 : 5 : 3 (b) 9 : 3 : 5
(c) 5 : 9 : 3 (d) 10 : 6 : 5

Answer: 9 : 5 : 3

A sum of Rs.312 was divided among 100 boys and girls in such a way that the boy gets Rs.3.60 and each girl Rs.2.40 the number of girls is

- (a) 35 (b) 40
(c) 45 (d) 50

A sum of RS.7000 is divided among A, B and C in such a way that the shares of A and B are in the ratio 2 : 3 and those of B and C are in the ratio 4 : 5. The share of B is

- (a) RS.1600 (b) RS.2000
(c) RS.2400 (d) RS.3000

Answer: RS.2400

A tiny money bank containing Rs. 1, 50paise and 25 paise coins in the ratio 1 : 2 : 3. If their total value is Rs 154, then the number of 25 paise coins is

- (a) 168 (b) 112
(c) 56 (d) 156

Answer: 168

A truck covers a distance of 550 metres in 1 minute whereas a bus covers a distance of 33 kms in 45 minute. The ratio of their speeds is:

- (a) 4 : 3 (b) 3 : 5
(c) 3 : 4 (d) 50 : 3

A truck covers a distance of 640 km in 10 h. A car covers the same distance in 8 h. What is the respective ratio of the speed of the truck to that of car?

- (a) 3 : 4 (b) 1 : 2
(c) 5 : 6 (d) 4 : 5

Answer: 4 : 5

A vessel contains 64 litres of mixture of milk and water in the ratio 7 : 3 respectively. 8 litres of mixture is replaced by 12 litres of milk. What is the ratio of milk and water in the resulting mixture?

- (a) 64 : 21 (b) 35 : 22
(c) 64 : 23 (d) 65 : 21

Answer: 64 : 21

A vessel contains liquid P and Q in the ratio 5 : 3. If 16 L of the mixture are removed and the same quantity of liquid Q is added, the ratio become 3 : 5. What quantity does the vessel hold?

- (a) 35 L (b) 45 L
(c) 40 L (d) 50 L

@@

Answer: 40 L

A vessel of capacity 2 litre has 25% alcohol and another vessel of capacity 6 litre had 40% alcohol. The total liquid of 8 litre was poured out in a vessel of capacity 10 litre and thus the rest part of the vessel was filled with the water. What is the new concentration of mixture ?

[www.examveda.com]

- (a) 29% (b) 49%
(c) 31% (d) 71%
(e) None of these (a)

A, B and C enter into a partnership by investing Rs 28000, Rs 32000 and Rs 18000. A is working partner and gets a fourth of the profit for this services and the remaining profit is divided amongst the three in the ratio of their investments. What is the amount of profit that B gets if A gets a total of Rs 4995?

[www.lofoya.com]

- (a) Rs. 1665 (b) Rs. 2960
(c) Rs. 2590 (d) None of these (b)

A, B and C enter into a partnership by investing Rs.2400, Rs.3000 and Rs.4200. A is a working partner and gets a fifth of the profit for his services and the remaining profit is divided amongst the three in the ratio of their investments. What is the amount of profit that B and C get if A gets a total of Rs.6000?

[www.competoid.com]

- (a) B - Rs.4750 and C - Rs.3250 (b) B - Rs.6500 and C - Rs.8500
(c) B - Rs.2750 and C - Rs.4250 (d) B - Rs.3750 and C - Rs.5250 @@

Answer: B - Rs.3750 and C - Rs.5250

A, B and C enter into a partnership by investing Rs.3600, Rs.4400 and Rs.2800. A is a working partner and gets a fourth of the profit for his services and the remaining profit is divided amongst the three in the rate of their investments. What is the amount of profit that B gets if A gets a total of Rs. 8000?

[www.lofoya.com]

- (a) 4888.88 (b) 9333.33
(c) 4000 (d) 3666.66 (a)

A, B and C have 200, b and c number of stamps respectively. If B gives A 20 stamps, he will be left with one fourth as many stamps as C has. If 200 more stamps are added together to their collection, they will have 200 stamps on an average with each of them. How many stamps does B have?

[www.competoid.com]

- (a) 40 Stamps (b) 36 Stamps
(c) 56 Stamps (d) 24 Stamps @@

Answer: 56 Stamps

A, B and C invest a total of Rs.7200 in a business such that A invests Rs.1200 more than B and C invests Rs.600 more than B. How will they share a profit of Rs.1440?

[www.competoid.com]

- (a) A - Rs.600, B - Rs.360 and C - Rs.480 (b) A - Rs.700, B - Rs.160 and C - Rs.580
(c) A - Rs.840, B - Rs.260 and C - Rs.340 (d) A - Rs.760, B - Rs.460 and C - Rs.220 @@

Answer: A - Rs.600, B - Rs.360 and C - Rs.480

A, B and C play cricket. A's runs are to B's runs and B's runs are to C's as 3 : 2. They get altogether 342 runs. How many runs did A make?

[www.lofoya.com]

- (a) 162 (b) 108
(c) 72 (d) None (a)

A, B and C share Rs.315 in such a way that for every Rs.2 that A gets, B gets :55 and for every 54 that B gets, C gets 57. How much does C get?

[www.competoid.com]

- (a) Rs.378 (b) Rs.441
(c) Rs.252 (d) Rs.175 @@

Answer: Rs.175

A, B and C work in a company. The ratio of A's age to B's age is 4 : 3 and B's age to C's age is 4 : 3. If the sum of the ages of A, B and C is 129.5, what are their respective ages?

[www.competoid.com]

- (a) 40, 30 and 22.5 years (b) 24, 18 and 13.5 years
(c) 56, 42 and 31.5 years (d) 72, 64 and 40.5 years @@

Answer: 56, 42 and 31.5 years

A, B and C, each of them working alone can complete a job in 6, 8 and 12 days respectively. If all three of them work together to complete a job and earn Rs.2340,

what will be C's share of the earnings?

[www.lofoya.com]

- (a) Rs.520 (b) Rs.1080
(c) Rs.1170 (d) Rs.630

Abhijit invested in three schemes A, B and C the amounts in the ratio of 2 : 3 : 4 respectively. If the schemes offered interest @ 20 p.c.p.a., 16 p.c.p.a. and 15 p.c.p.a. respectively, what will be the respective ratio of the amounts after one year?

[www.competoid.com]

- (a) 10 : 8 : 5 (b) 12 : 14 : 15
(c) 12 : 15 : 22 (d) None of these @@

Answer: None of these

Acid and water are mixed in a vessel A in the ratio of 5 : 2 and If the vessel B in the ratio 8 : 5. In what proportion should quantities be taken out from the two vessels so as to form a mixture in which the acid and water be in the ratio of 9 : 4 ?

[www.competoid.com]

- (a) 7 : 2 (b) 2 : 7
(c) 7 : 4 (d) 2 : 3 @@

Answer: 7 : 2

Amit and Sudesh have invested in the ratio of 4 : 7. If both invested a total amount of RS. 49500, then find the investment of Sudesh.

[www.competoid.com]

- (a) RS.31500 (b) RS.1800
(c) RS.31000 (d) RS.18500 @@

Answer: RS.31500

An alloy contains copper and zinc in the ratio of 5 : 3 and another alloy contains copper and tin in the ratio of 8 : 5. If equal amount of both the alloys are melted together, find the weight of tin the resulting alloy per 1 kg.

[www.competoid.com]

- (a) 200 grams (b) 240 grams
(c) 192 grams (d) 340 grams @@

Answer: 192 grams

An amount of money is to be distributed among P, Q and R in the ratio of 2 : 7 : 9. The total of P's and Q's share is equal to R's share. What is the difference between the shares of P and Q ?

[www.examveda.com] [www.competoid.com]

- (a) Rs. 5000 (b) Rs. 7500

- (c) Rs. 9000
inadequate

- (d) Information

An amount of money is to be divided among P, Q and R in the ratio of 3 : 5 : 7 respectively. If the amount received by R is Rs.4,000 more than the amount received by Q. what will be the total amount received by P and Q together?

[www.competoid.com]

- (a) Rs. 8,000 (b) Rs.12,000
(c) Rs.16,000 (d) Cannot be determined @@

Answer: Rs.16,000

An engine without any wagon attached to it can travel at 50 mph. Its speed is diminished by a quantity which varies as the square root of the number of wagons attached. With 36 wagons attached, its speed is 32 mph, Find the maximum number of wagons that can be attached, if the speed is not to fall below 20 mph.

[www.competoid.com]

- (a) 100 (b) 120
(c) 90 (d) 80 @@

Answer: 100

An outgoing batch of students wants to gift a PA system worth Rs 4,200 to their school. If the teachers, offer to pay 50% more than the students and an external benefactor gives three times the teacher's contribution, then how much should the teachers donate?

[www.lofoya.com]

- (a) Rs 600 (b) Rs 840
(c) Rs 900 (d) Rs 1,200 (c)

Annual income of Amit and Veer are the ratio 3 : 2, while the ratio of their expenditure is 5 : 3. If at the end of the year each saves Rs. 1000. The annual income of Amit is = ?

[www.examveda.com]

- (a) Rs. 9000 (b) Rs. 8000
(c) Rs. 7000 (d) Rs. 6000 (d)

Annual incomes of Amit and Veer are in the ratio 3 : 2, while the ratio of their expenditure is 5 : 3. If at the end of the year each saves Rs. 1,000. The annual income of Amit is

[www.competoid.com]

- (a) Rs. 9,000 (b) Rs. 8,000
(c) Rs. 7,000 (d) Rs. 6,000 @@

Answer: Rs. 6,000

Arrange the number $a = \frac{7}{10}$, $b = \frac{5}{8}$, $c = \frac{2}{3}$ in descending order = ?

[www.examveda.com]

- (a) $a > b > c$ (b) $a > c > b$
(c) $b > c > a$ (d) $c > b > a$ **(b)**

Arrange the numbers $a = \frac{7}{10}$, $b = \frac{5}{8}$, $c = \frac{2}{3}$ in descending order.

[www.competoid.com]

- (a) $a > b > c$ (b) $a > c > b$
(c) $b > c > a$ (d) $c > b > a$ @@

Answer: $a > c > b$

A's income is Rs. 140 more than B's income and C's income is Rs. 80 more than D's. If the ratio of A's and C's income is 2 : 3 and the ratio of B's and D's income is 1 : 2, then the incomes of A, B, C and D are respectively.

[www.competoid.com]

- (a) Rs. 60, Rs. 120, Rs. 320 and Rs. 240 (b) Rs. 300, Rs. 160, Rs. 600 and Rs. 520
(c) Rs. 400, Rs. 260, Rs. 600 and Rs. 520 (d) Rs. 320, Rs. 180, Rs. 480 and Rs. 360 @@

Answer: Rs. 400, Rs. 260, Rs. 600 and Rs. 520

A's income is Rs. 140 more than B's income and C's income is Rs. 80 more than D's income. If the ratio of A's and C's income is 2 : 3 and the ratio of B's and D's income is 1 : 2, then the incomes of A, B, C and D are respectively = ?

[www.examveda.com]

- (a) Rs. 260, Rs. 120, Rs. 320, Rs. 240 (b) Rs. 300, Rs. 160, Rs. 600, Rs. 520
(c) Rs. 400, Rs. 260, Rs. 600, Rs. 520 (d) Rs. 320, Rs. 180, Rs. 480, Rs. 360 **(c)**

As part of a restructuring exercise, a company reduced its work force by 30%. However, to motivate the remaining employees, a wage hike was given. The wages, on an average, increased in the ratio of 25 : 28. If the present wage bill per month is Rs. 4,90,000 what was the wage bill prior to the downsizing followed by the rise?

[www.competoid.com]

- (a) Rs. 56,25,000 (b) Rs. 64,00,000
(c) Rs. 48,00,750 (d) Rs. 36,36,000 @@

Answer: Rs. 56,25,000

At a casino in Mumbai, there are 3 tables A, B and C. The payoffs at A is 10 : 1, at B is 20 : 1 and C is 30 : 1. If a man bets Rs. 200 at each table and win at two of the tables, what is the maximum and minimum difference between his earnings can be ?

[www.examveda.com]

- (a) Rs. 4000 (b) Rs. 4500
(c) Rs. 2500 (d) Rs. 2000
(e) None of these **(a)**

At present, Pia is 6 years older to Ray. The respective ratio between the present ages of Pia and Mini is 3 : 4. At present Ray is 14 years younger to Mini. What is Ray's present age?

[www.competoid.com]

- (a) 16 years (b) 20 years
(c) 14 years (d) 18 years @@

Answer: 18 years

'B' is 3 years older than 'A' and 'B' is also 3 years younger than 'C'. 3 years hence, the respective ratio between the ages of A and C will be 4 : 5. What is the sum of the present ages of A, B and C?

[www.competoid.com]

- (a) 48 years (b) 56 years
(c) 63 years (d) 72 years @@

Answer: 72 years

B is 8 years older than A and 8 years younger than C. 12 years hence, respective ratio of the ages of A and C will be 5 : 9. What is the sum of present ages of A, B and C?

[www.competoid.com]

- (a) 58 years (b) 46 years
(c) 48 years (d) 60 years @@

Answer: 48 years

B receives 1/10 of the profit of a business as wages and the rest is divided between B and A in proportion of their capitals of Rs. 40000 and Rs. 50000 respectively. If in a year B receives Rs. 5000, then what will be the share of A?

[www.competoid.com]

- (a) Rs. 8000 (b) Rs. 6000
(c) Rs. 10000 (d) Rs. 5000 @@

Answer: Rs. 5000

Between two consecutive years my incomes are in the ratio of 2 : 3 and expenses in the ratio 5 : 9. If my income in the second year is

Rs. 45000 and my expenses in the first year is Rs. 25000 my total savings for the two years is -

[www.examveda.com]

- (a) Nil (b) Rs. 5000
(c) Rs. 10000 (d) Rs. 15000 **(b)**

Brindavan Express leave Chennai Central Station every day at 07.50 am and goes to Bangalore City Railway station. This train is very popular among the travelers. On 25th July 2012 number of passengers traveling by I class and II class was in the ratio 1 : 4. The fare for this travel is in the ratio 3 : 1. The total fare collected was Rs. 224000. (Rs. Two lakhs twenty four thousand only). What was the fare collected from I class passengers on that day?

[www.examveda.com]

- (a) Rs. 32,000 (b) Rs. 96,000
(c) Rs. 1,28,000 (d) Rs. 5,00,000
(e) None of these **(b)**

Brothers A and B had some savings in the ratio 4 : 5. They decided to buy a gift for their sister, sharing the cost in the ratio 3 : 4. After they bought. A spent two-third of his amount, while B is left with RS. 145. Then, the value of the gift is

[www.competoid.com]

- (a) RS.70 (b) RS.105
(c) RS.140 (d) RS.175 @@

Answer: RS.140

By mistake instead of dividing Rs. 117 among A, B and the ratio $\frac{1}{2} : \frac{1}{3} : \frac{1}{4}$ it was divided in the ratio of 2 : 3 : 4. Who gains the most and by how much ?

[www.competoid.com]

- (a) A, Rs. 28 (b) B, Rs. 3
(c) C, Rs. 20 (d) C, Rs. 25 @@

Answer: C, Rs. 25

By mistake, instead of dividing Rs 117 among three persons P, Q and R in the $(\frac{1}{2}, \frac{1}{3}, \frac{1}{4})$, it was divided in the ratio 2 : 3 : 4. Who gains the most and how much?

[www.lofoya.com]

- (a) P, Rs. 28 (b) Q, Rs. 35
(c) R, Rs. 25 (d) R, Rs. 27 **(c)**

Cast of a diamond varies directly as the square of its weight. A diamond broke into

four pieces with their weight in the ratio 1 : 2 : 3 : 4. If the loss in the total value of the diamond was Rs.70,000. the price of the original diamond was

[www.competoid.com]

- (a) Rs.1,00,000 (b) Rs.1,40,000
(c) Rs.1,50,000 (d) Rs.1,75,000 @@

Answer: Rs.1,00,000

Divide 27 into two part so that 5 times the first and 11 times the second together equals to 195. Then ratio of the first and Second parts is

[www.competoid.com]

- (a) 3 : 2 (b) 17 : 10
(c) 2 : 7 (d) 5 : 4 @@

Answer: 17 : 10

Divide Rs. 1250 among A, B, C so that A gets $\frac{2}{9}$ of B's share and C gets $\frac{3}{4}$ of A's share,

[www.competoid.com]

- (a) Rs. 200, Rs. 800, Rs. 250 (b) Rs. 200, Rs. 900, Rs. 150
(c) Rs. 150, Rs. 800, Rs. 300 (d) Rs. 200, Rs. 900, Rs. 75 @@

Answer: Rs. 200, Rs. 900, Rs. 150

Divide Rs. 1350 between A, B, C in the ratio 3 : 5 : 7

[www.competoid.com]

- (a) Rs.600, 400, 350 (b) Rs 700, 400, 250
(c) Rs.500, 400, 450 (d) Rs.270, 450, 310 @@

Answer: Rs.270, 450, 310

Divide Rs. 671 among A, B and C such that if their shares be increased by Rs. 3, Rs. 7 and Rs. 9 respectively the remainder shall be in the ratio 1 : 2 : 3 .

[www.examveda.com]

- (a) Rs. 110, Rs. 220, Rs. 336 (b) Rs. 112, Rs. 223, Rs. 336
(c) Rs. 105, Rs. 223, Rs. 330 (d) None of these **(b)**

Divide Rs. 7,500 among A, B and C such that A's share to B's share is in the ratio 5 : 2 and B's share to C's share is in the ratio 7 : 13. how much will B receive ?

[www.competoid.com]

- (a) Rs. 1,400 (b) Rs. 3,500
(c) Rs. 2,600 (d) Rs. 7,000 @@

Answer: Rs. 1,400

Divide RS. 990 into 3 parts in such a way that half of the first part, one-third of the

second part and one-fifth of the third part are equal

[www.competoid.com]

- (a) 198, 494, 298 (b) 198, 297, 495
(c) 200, 300, 490 (d) 196, 298, 496 @@

Answer: 198, 297, 495

Divide Rs.1500 In three parts. such that $\frac{2}{5}$ th of the first part $\frac{4}{9}$ th of the second part and $\frac{2}{3}$ of the third part are equal.

[www.competoid.com]

- (a) Rs.700, 600, 200 (b) Rs.600, 540, 360
(c) Rs.500, 400, 600 (d) Rs.650, 550, 400 @@

Answer: Rs.600, 540, 360

Divide Rs.671 among A, B and C such that if their shares be increased by Rs.3, Rs.7 and Rs.9 respectively, the remainder shall be in the ratio 1 : 2 : 3.

[www.competoid.com]

- (a) Rs.110, Rs.220 and Rs.336 (b) Rs.112, Rs.223 and Rs.336
(c) Rs.105, Rs.223 and Rs.330 (d) None of these @@

Answer: Rs.112, Rs.223 and Rs.336

Divide Rs.7000 between A, B and C in such a way that A gets 20% more than B and C gets 30% more than B.

[www.competoid.com]

- (a) Rs.2200, Rs.1800, Rs.3000 (b) Rs.2400, Rs.2000, Rs.2600
(c) Rs.2600, Rs.2400, Rs.2000 (d) Rs.2500, Rs.2300, Rs.2200 @@

Answer: Rs.2400, Rs.2000, Rs.2600

Divide Rs.810 in the ratio. $\frac{1}{2} : \frac{1}{3} : \frac{2}{3}$

[www.competoid.com]

- (a) Rs.270, 180, 360 (b) Rs.300, 210, 300
(c) Rs.250, 250, 310 (d) None of these @@

Answer: Rs.270, 180, 360

Express 'x' in terms of 'y' if the square of 'x' varies inversely as the cube of 'y', when x = 4, y = 6.

[www.competoid.com]

- (a) The required equation

$$\text{is } x^2 = \frac{4456}{y^3}$$

- (b) The required equation

$$\text{is } x^2 = \frac{5356}{y^3}$$

- (c) The required equation

$$\text{is } x^2 = \frac{6456}{y^3}$$

- (d) The required equation

$$\text{is } x^2 = \frac{3456}{y^3} @@$$

Answer: The required equation is $x^2 = 3456y^3$

Find the three numbers. They are in the ratio 2 : 3 : 4 such that the sum of their squares is 1044.

[www.competoid.com]

- (a) 14, 21, 28 (b) 16, 25, 34
(c) 12, 18, 24 (d) 13, 20, 27 @@

Answer: 12, 18, 24

Find the value of x.

$$\text{Given } x : 3\frac{1}{4} = \frac{1}{5} : 0.13.$$

[www.competoid.com]

- (a) $\frac{7}{4}$ (b) 5
(c) 10 (d) 20 @@

Answer: 5

Find two mean proportionals between 2 and 54,

[www.competoid.com]

- (a) 6 and 18 (b) 6 and 12
(c) 12 and 18 (d) 6 and 9 @@

Answer: 6 and 18

Five men, three women and eight boys share Rs.580 among them. Each woman gets twice the amount that each boy gets and each man gets as much as a boy and a woman together get. How much does each man get?

[www.competoid.com]

- (a) Rs.40 (b) Rs.20
(c) Rs.60 (d) Rs.80 @@

Answer: Rs.60

Four numbers are in the ratio 1: 2 :3 :4. Their sum is 16. The sum of the first and fourth number is equal to :

[www.competoid.com]

- (a) 5 (b) 8
(c) 10 (d) 80 @@

Answer: 8

Four years ago, the ratio of the age of A and B was 2 : 3 and after four years it will become 5 : 7. Find their present age

[www.competoid.com]

- (a) 36 years and 40 years (b) 32 years and 48 years
(c) 40 years and 56 years (d) 36 years and 52 years

Answer: 36 years and 52 years @@

Four years ago, the respective ratio between the age of Ram and that of Sonu. was 4 : 9. Tina is ten years older than Ram. Tina is ten years younger than Sonu. What is Tina's present age?

[www.competoid.com]

- (a) 40 years (b) 36 years
(c) 30 years (d) 20 years @@

Answer: 30 years

Fourth proportional to $(a^2 - b^2)$, $(a^2 - ab)$, $(a^3 + b^3)$ is

[www.examveda.com]

- (a) $(a - b)$ (b) $a^4 + b^4$
(c) $a(a^2 - ab + b^2)$ (d) $a^3 - a^2b^2 + b^2$ C

From each of the two given unequal numbers. half of the smaller number is subtracted. Then, of the resulting numbers the larger one is five times of the smaller one. Then the ratio of the larger to the smaller one is

[www.competoid.com]

- (a) 2 : 1 (b) 3 : 2
(c) 3 : 1 (d) 1 : 4 @@

Answer: 3 : 1

From each of two given numbers, half the smaller number is subtracted. After such subtraction, the larger number is 4 times as large as the smaller number. What is the ratio of the numbers ?

[www.competoid.com]

- (a) 5 : 2 (b) 1 : 4
(c) 4 : 1 (d) 4 : 5 @@

Answer: 5 : 2

Given that 24 carat gold is pure gold, 18 carat gold $\frac{3}{4}$ gold and 20 carat gold is $\frac{5}{6}$ gold, the ratio of the pure gold in 18 Carat gold to the pure gold in 20 carat gold is

[www.competoid.com]

- (a) 5 : 8 (b) 9 : 10
(c) 15 : 24 (d) 8 : 5 @@

Answer: 9 : 10

Half the girls and one-third of the boys of a college reside in the hostel. What fractional part of the student body is hostel dwellers if

the total number of girls in the college is 100 and is $\frac{1}{4}$ of the total strength?

[www.competoid.com]

- (a) $\frac{2}{5}$ (b) $\frac{5}{12}$
(c) $\frac{1}{5}$ (d) None of these @@

Answer: None of these

Harsha is 40 years old and Ritu is 60 years old. How many years ago was the ratio of their ages is 3 : 5 ?

[www.examveda.com] [www.competoid.com]

- (a) 10 years (b) 20 years
(c) 37 years (d) 5 years a

How many sides does a regular polygon have whose interior and exterior angle are in the ratio 2 : 1 ?

[www.examveda.com] [www.competoid.com]

- (a) 3 (b) 5
(c) 6 (d) 12 C

IBM and KTC quote for a tender. On the tender opening day, IBM realizes that their quotations are in the ratio 7 : 4 and hence decreases its price during negotiations to make it Rs 1 Lakh lower than KTC's quoted price. KTC realizes that the final quotes of the two were in the ratio 3 : 4. What was the price at which IBM won the bid?

[www.lofoya.com]

- (a) Rs 7 Lakh (b) Rs 4 Lakh
(c) Rs 3 Lakh (d) Rs 1.5 Lakh C

If $\frac{a+b}{c} = \frac{b+c}{a} = \frac{c+a}{b} = k$, then k is equal to -

[www.examveda.com]

- (a) 0 (b) 1
(c) 2 (d) $a + b + c$ C

If $\frac{a}{7} = \frac{b}{9} = \frac{c}{11}$, then find a : b : c.

[www.competoid.com]

- (a) 11 : 9 : 7 (b) 9 : 7 : 11
(c) 7 : 9 : 11 (d) 11 : 7 : 9 @@

Answer: 7:9:11

If $\frac{x}{y} = \frac{3}{4}$, the ratio of $(3x + 3y)$ and $(3y - 2x)$ is = ?

[www.examveda.com]

- (a) 2 : 1 (b) 3 : 2
(c) 3 : 1 (d) 1 : 1 C

If $\frac{3x+5}{5x-2} = \frac{2}{3}$, then the value of x is

[www.examveda.com]

- (a) 11 (b) 19
(c) 23 (d) 7

b

If $\frac{a}{2} = \frac{b}{3} = \frac{c}{5} = \frac{2a-3b+5c}{k}$, then find the value of k.

[www.competoid.com]

- (a) 10 (b) 30
(c) 40 (d) 20

@@

Answer: 20

If $\frac{x}{2} = \frac{y}{3} = \frac{z}{4} = \frac{2x-3y+5z}{k}$, then the value of k is -

[www.examveda.com]

- (a) 12 (b) 15
(c) 16 (d) 18

b

If $\frac{1}{2}$ of A = $\frac{2}{5}$ of B = $\frac{1}{3}$ of C, then A : B : C is equal to

[www.competoid.com]

- (a) 4 : 5 : 6 (b) 6 : 4 : 5
(c) 5 : 4 : 6 (d) 4 : 6 : 5

@@

Answer: 4:5:6

If $(a+b) : (a-b) = 5 : 3$, then find $(a^2 + b^2) : (a^2 - b^2)$.

[www.competoid.com]

- (a) 17 : 15 (b) 25 : 9
(c) 4 : 1 (d) 16 : 1

@@

Answer: 17 : 15

If $(a+b) : (b+c) : (c+a) = 6 : 7 : 8$ and $(a+b+c) = 14$, then the value of c is

[www.examveda.com] [www.competoid.com]

- (a) 6 (b) 7
(c) 8 (d) 14

@@

Answer: 6

If $(x^3 - y^3) : (x^2 + xy + y^2) = 5 : 1$ and $(x^2 - y^2) : (x - y) = 7 : 1$, then the ratio $2x : 3y$ equals = ?

[www.examveda.com]

- (a) 3 : 2 (b) 2 : 3
(c) 4 : 3 (d) 4 : 1

d

If 20 men or 24 women or 40 boys can do a job in 12 days working for 8 hours a day, how many men working with 6 women and 2 boys take to do a job four times as big working for 5 hours a day for 12 days?

[www.competoid.com] [www.lofoya.com]

- (a) 120 men (b) 122 men

- (c) 128 men (d) 134 men **b**

If 30 men, working 8 hours a day can do a piece of work in 24 days in how many days 18 men working 10 hours a day will finish double the work.

[www.competoid.com]

- (a) 64 (b) 32
(c) 48 (d) 68

@@

Answer: 64

If 30 oxen can plough $\frac{1}{7}$ th of a field in 2 days, how many days 18 oxen will take to do the remaining work?

[www.examveda.com]

- (a) 30 days (b) 20 days
(c) 15 days (d) 18 days
(e) 21 days **b**

If 378 coins consist of 1 rupee, 50 paise and 25 paise coins, whose values are in the ratio of 13 : 11 : 7. The number of 50 paise coins will be

[www.competoid.com]

- (a) 132 (b) 128
(c) 136 (d) 133

@@

Answer: 132

If $3A = 5B$ and $4B = 6C$, then A : C equal to -

[www.examveda.com]

- (a) 2 : 5 (b) 3 : 5
(c) 4 : 5 (d) 5 : 2

d

If $3x = 5y = 4z$, then x : y : z is equal to

[www.competoid.com]

- (a) 9 : 12 : 16 (b) 20 : 12 : 15
(c) 15 : 10 : 9 (d) 8 : 5 : 3

@@

Answer: 20 : 12 : 15

If 4 years ago the ratio between the ages of P and Q was 5 : 6 and the sum of their ages at present is 52, what is the ratio of their present ages ?

[www.examveda.com] [www.competoid.com]

- (a) 5 : 6 (b) 6 : 7
(c) 7 : 8 (d) 4 : 5

b

If 40% of a number is equal to two-third of another number, what is the ratio of first number to the second number?

[www.examveda.com] [www.lofoya.com] [www.indiabix.com]

- (a) 2 : 5 (b) 3 : 7
(c) 5 : 3 (d) 7 : 3

c

If 5 person together can make 5 mats in 5 hours, then 10 person in 10 hours will make

= ?

- (a) 20 mats (b) 10 mats
(c) 15 mats (d) 5 mats

If 5.5 of a = 0.65 of b, then a : b is equal to :

- (a) 13 : 11 (b) 11 : 13
(c) 13 : 110 (d) 110 : 13

Answer: 13 : 110

If 50% of a certain number is equal to $\frac{3}{4}$ th of another number, what is the ratio between the numbers?

- (a) 3 : 2 (b) 2 : 5
(c) 5 : 2 (d) 3 : 4

Answer: 3 : 2

If 7 boys and 2 men working together can do three times as much work per hour as a boy and a man together, what will be the respective ratio of work done by a boy and a man for the given time?

- (a) 3 : 1 (b) 1 : 2
(c) 1 : 3 (d) 1 : 4

Answer: 1 : 4

If 7 spiders make 7 webs in 7 days, then 1 spider will make 1 web in how many days?

- (a) 1 (b) $\frac{7}{2}$
(c) 7 (d) 49

Answer: 7

If 8, x and 50 are in continued proportion, then the value of x is

- (a) 30 (b) 20
(c) 5 (d) 32

Answer: 20

If a : b : c = 3 : 4 : 7, then the ratio (a + b + c) : c is equal to

- (a) 2 : 1 (b) 14 : 3
(c) 7 : 2 (d) 1 : 2

If a : b : c = 7 : 3 : 5, then (a + b + c) : (2a + b - c) is equal to

- (a) 1 : 2 (b) 2 : 3
(c) 3 : 4 (d) 5 : 4

Answer: 5 : 4

If A : B = 1 : 2, B : C = 3 : 4, C : D = 6 : 9 and D : E = 12 : 16 then A : B : C : D : E is equal to

- (a) 1 : 3 : 6 : 12 : 16 (b) 2 : 4 : 6 : 9 : 16
(c) 3 : 4 : 8 : 12 : 16 (d) 3 : 6 : 8 : 12 : 16

Answer: 3 : 6 : 8 : 12 : 16

If A : B = 1 : 3, B : C = 5 : 7, C : D = 9 : 7, then A : B : C : D = ?

- (a) 15 : 45 : 63 : 49 (b) 15 : 49 : 45 : 63
(c) 45 : 15 : 63 : 49 (d) 49 : 15 : 45 : 63

Answer: 15 : 45 : 63 : 49

If A : B = 2 : 3 and B : C = 4 : 5 then A : B : C is

- (a) 2 : 3 : 5 (b) 5 : 4 : 6
(c) 8 : 12 : 15 (d) 6 : 4 : 5

If A : B = 2 : 3, B : C = 4 : 5 and C : D = 5 : 9 then A : D is equal to:

- (a) 11 : 17 (b) 8 : 27
(c) 5 : 9 (d) 2 : 9

If A : B = 3 : 4 and B : C = 6 : 5, then C : A is

- (a) 10 : 9 (b) 9 : 10
(c) 8 : 9 (d) 9 : 8

Answer: 10 : 9

If A : B = 3 : 4 and B : C = 8 : 9, then A : B : C is = ?

- (a) 8 : 6 : 9 (b) 9 : 8 : 6
(c) 6 : 8 : 9 (d) 3 : 32 : 9

If A : B = 3 : 4, B : C = 5 : 7 and C : D = 8 : 9 then A : D is equal to ?

- (a) 3 : 7 (b) 7 : 3
(c) 21 : 10 (d) 10 : 21

Answer: 10 : 21

If a : b = 4 : 5, b : c = 5 : 6, and c : d = 6 : 7, then a : c is:

- (a) 5 : 6 (b) 3 : 4
(c) 2 : 3 (d) 4 : 5

Answer: 2 : 3

If A : B = 4 : 9 and A : C = 2 : 3 then (A + B) : (B + C) is

- (a) 15 : 13 (b) 10 : 13
(c) 13 : 10 (d) 13 : 15

Answer: 13 : 15

If $a : b = 7 : 9$ and $b : c = 5 : 7$, then what is $a : c$?

- (a) 5 : 9 (b) 3 : 5
(c) 7 : 21 (d) 7 : 15

Answer: 5 : 9

If $A : B = a : b$ and $B : C = p : q$, then $A : C$ is equal to

- (a) $aq : bp$ (b) $ab : pq$
(c) $ap : bq$ (d) $bq : ap$

Answer: $ap : bq$

If $A : B = m : n$, $B : C = p : q$ and $C : D = r : s$, then $D : A$ is equal to

- (a) $mps : nqr$ (b) $nps : mqr$
(c) $nqs : mpr$ (d) $mrp : nsq$

Answer: $nqs : mpr$

If $A : B = \frac{1}{2} : \frac{1}{3}$ and $B : C = \frac{1}{2} : \frac{1}{3}$, then A, B, C is equal to -

- (a) 1 : 2 : 6 (b) 2 : 3 : 3
(c) 3 : 2 : 6 (d) 9 : 6 : 4

If $A = \frac{1}{4}B$ and $B = \frac{1}{2}C$, then find the value of $A : B : C$.

- (a) 8 : 4 : 1 (b) 4 : 2 : 1
(c) 1 : 4 : 8 (d) 1 : 2 : 4

Answer: 1:4:8

If $A = \frac{2}{3}$ of B and $B = \frac{4}{5}$ of C , then $A : B : C$ is.

- (a) 12 : 8 : 10 (b) 15 : 10 : 8
(c) 10 : 15 : 12 (d) 8 : 12 : 15

Answer: 8 : 12 : 15

If A and B are in the ratio 3 : 4, and B and C in the ratio 12 : 13, then A and C will be in the ratio

- (a) 3 : 13 (b) 9 : 13
(c) 36 : 13 (d) 13 : 9

If A and B are in the ratio 4 : 5 and the difference of their squares is 81, what is the value of A ?

- (a) 36 (b) 445

- (c) 15 (d) 12

Answer: 12

If a carton containing a dozen glass is dropped, which of the following cannot be the ratio of unbroken glasses to broken glasses

- (a) 2 : 1 (b) 3 : 1
(c) 3 : 2 (d) 7 : 5

Answer: 3 : 2

If a cone is divided in two parts by drawing a plane through mid - point of its axis, then ratio of the volumes of the 2 parts of the cone is

- (a) 1 : 2 (b) 1 : 4
(c) 1 : 7 (d) 1 : 8

Answer: 1 : 7

If A is $\frac{1}{3}$ of B and B is $\frac{1}{2}$ of C , then $A : B : C$ is

- (a) 1 : 3 : 6 (b) 2 : 3 : 6
(c) 3 : 2 : 6 (d) 3 : 1 : 2

Answer: 1 : 3 : 6

If a, b, c, d and e are in continued proportion, then $\frac{a}{e}$ is equal to

- (a) $\frac{a^3}{b^3}$ (b) $\frac{a^4}{b^4}$
(c) $\frac{b^3}{a^3}$ (d) $\frac{b^4}{a^4}$

Answer: a^4/b^4

If $A:B = 3:4$ and $B:C = 8:9$, then find the value of $A:B:C$.

- (a) 3:4:5 (b) 1:2:3
(c) 7:12:17 (d) 6:8:9

Answer: 6:8:9

If $a:b = 5:6$, $b:c = 6:7$ find $a:c$

- (a) 2 : 5 (b) 5 : 7
(c) 3 : 7 (d) 6 : 9

Answer: 5 : 7

If $A:B=2:3$, $B:C=5:7$ and $C:D = 3:10$, then what is $A:D$ equal to?

- (a) 1:7 (b) 2:7
(c) 1:5 (d) 5:1

Answer: 1:7

If $m : n = 3 : 2$, then $(4m + 5n) : (4m - 5n)$ is equal to :

- (a) 4 : 9 (b) 9 : 4
(c) 11 : 1 (d) 9 : 1 @@

Answer: 11 : 1

If $m : n = 3 : 2$, then $(4m + 5n) : (4n - 5n)$ is equal to = ?

[www.examveda.com] [www.competoid.com]

- (a) 4 : 9 (b) 9 : 4
(c) 11 : 1 (d) 9 : 1 (c)

If $N > 1000$, what could be the least value of N ?

[www.lofoya.com]

- (a) 1249 (b) 1023
(c) 1202 (d) 1246 (d)

If $N = 1000$, how many biscuits were left after the fourth man took his share?

[www.lofoya.com]

- (a) 624 (b) 621
(c) 252 (d) 257 (c)

If $p : q = T : s = t : u = 2 : 3$, then $(mp + nr + ot) : (mq + ns + ou)$ is equal to :

[www.competoid.com]

- (a) 1 : 3 (b) 1 : 2
(c) 2 : 3 (d) 3 : 2 @@

Answer: 2 : 3

If radii of two cylinders are in the ratio $3 : 2$ and their heights are in the ratio $4 : 3$, then ratio of their volumes is

[www.competoid.com]

- (a) 9 : 8 (b) 2 : 1
(c) 3 : 1 (d) 4 : 1 @@

Answer: 3 : 1

If Rs. 126.50 is divided among A, B and C in the ratio of $2 : 5 : 4$, the share of B exceeds that of A by

- (a) Rs. 36.50 (b) Rs. 35.50
(c) Rs. 34.50 (d) Rs. 33.50 @@

Answer: Rs. 34.50

If Rs. 782 be divided into three parts, proportional to $\frac{1}{2} : \frac{2}{3} : \frac{3}{4}$ then the first part is:

[www.examveda.com] [www.indiabix.com] [www.lofoya.com]

- (a) Rs. 182 (b) Rs. 190
(c) Rs. 196 (d) Rs. 204 (d)

If Rs. x are divided between A and B in the ratio $\frac{a}{b} : \frac{c}{d}$ then A gets rupees -

[www.examveda.com]

- (a) $\frac{adx}{ab + cd}$ (b) $\frac{adx}{ad + bc}$
(c) $\frac{abx}{ad + bc}$ (d) $\frac{adx}{ac + bd}$ (b)

If Rs. 1066 are divided among A, B, C and D such that $A : B = 3 : 4$, $B : C = 5 : 6$ and $C : D = 7 : 5$, Who will get the maximum ?

[www.examveda.com]

- (a) A (b) B
(c) C (d) D (c)

If the ratio of boys to girls in a class is B and the ratio of girls to boys is G , then $3(B+G)$ is

[www.competoid.com]

- (a) equal to 3 (b) less than 3
(c) more than 3 (d) less than $\frac{1}{3}$ @@

Answer: more than 3

If the ratio of the ages of Maya and Chhaya is $6 : 5$ at present, and fifteen years from now, the ratio will get changed to $9 : 8$, then find Maya's present age.

[www.examveda.com]

- (a) 24 years (b) 30 years
(c) 18 years (d) 33 years (b)

If the square of the sum of two numbers is equal to 4 times of their product, then the ratio of these numbers is:

[www.competoid.com]

- (a) 2 : 1 (b) 1 : 3
(c) 1 : 1 (d) 1 : 2 @@

Answer: 1 : 1

If the sum of two quantities is equal to three times of their difference, then the ratio of the two quantities is

[www.competoid.com]

- (a) 1 : 3 (b) 3 : 1
(c) 2 : 1 (d) 2 : 3 @@

Answer: 2 : 1

If the three numbers in the ratio $3 : 2 : 5$ be such that the sum of the squares is equal to 1862 then which number is the middle one.

[www.competoid.com]

- (a) 16 (b) 14
(c) 13 (d) 15 @@

Answer: 14

If there is a reduction in the number of workers in a factory in the ratio 15 : 11 and an increment in their wages in the ratio 22 : 25, then the ratio by which the total wage of the workers should be decreased is

[www.competoid.com]

- (a) 6 : 5 (b) 5 : 6
(c) 3 : 7 (d) 3 : 5

@@

Answer: 6 : 5

If two - third of A is four-fifth of B, then A : B = ?

[www.competoid.com]

- (a) 5 : 6 (b) 6 : 5
(c) 10 : 9 (d) 9 : 10

@@

Answer: 6 : 5

If two spheres have their radii in the ratio 2 : 3, then ratio of their volumes is

[www.competoid.com]

- (a) 8 : 27 (b) 4 : 9
(c) 6 : 12 (d) 1 : 15

@@

Answer: 8 : 27

If two times A is equal to three times of B and also equal to four times of C, then A : B : C is

[www.examveda.com] [www.competoid.com]

- (a) 2 : 3 : 4 (b) 3 : 4 : 2
(c) 4 : 6 : 3 (d) 6 : 4 : 3

d

If two times of A is equal to three times of B and also equal to four times of C, then A : B : C is

[www.competoid.com]

- (a) 2 : 3 : 4 (b) 3 : 4 : 2
(c) 4 : 6 : 3 (d) 6 : 4 : 3

@@

Answer: 6 : 4 : 3

If $x : y = 2 : 3$ and $2 : x = 1 : 2$ the value of 'y' is:

[www.competoid.com]

- (a) 4 (b) 6
(c) 8 (d) None of these

@@

Answer: 6

If $x : y = 3 : 4$, then the value of $(4x - y) : (2x + 3y)$ is

[www.competoid.com]

- (a) 4 : 9 (b) 8 : 9
(c) 4 : 3 (d) 8 : 3

@@

Answer: 4 : 9

If $x : y = 3 : 4$, then the value of $\frac{5x - 2y}{7x + 2y}$ =

[www.competoid.com]

- (a) $\frac{7}{25}$ (b) $\frac{7}{23}$
(c) $\frac{7}{29}$ (d) $\frac{7}{17}$

@@

Answer: 729729

If $x : y = 3 : 4$, then the value of $(4x - y) : (2x + 3y)$ is = ?

[www.examveda.com]

- (a) 4 : 9 (b) 8 : 9
(c) 4 : 3 (d) 8 : 3

a

If $x : y = 3 : 5$ and $x - y = -2$, then the value of $x + y$ is

[www.competoid.com]

- (a) 8 (b) 2
(c) 3 (d) 5

@@

Answer: 8

If $x : y = 7 : 5$, then what is the value of $(5x - 2y) : (3x + 2y)$?

[www.competoid.com]

- (a) $\frac{5}{4}$ (b) $\frac{6}{5}$
(c) $\frac{25}{31}$ (d) $\frac{31}{42}$

@@

Answer: 25 / 31

If $x = \frac{1}{3}y$ and $y = \frac{1}{2}z$, then $x : y : z$ is equal to = ?

[www.examveda.com] [www.competoid.com]

- (a) 3 : 2 : 1 (b) 1 : 2 : 6
(c) 1 : 3 : 6 (d) 2 : 4 : 6

c

If x runs scored by A, y runs by B and z runs by C, then $x : y = y : z = 3 : 2$. If total number of runs scored by A, B and C is 342, the runs scored by each would be respectively = ?

[www.examveda.com] [www.competoid.com]

- (a) 144, 96, 64 (b) 162, 108, 72
(c) 180, 120, 80 (d) 180, 120, 80
(e) 189, 126, 84

b

If x varies as y then $x^2 + y^2$ varies as

[www.examveda.com]

- (a) $x + y$ (b) $x - y$
(c) $x^2 - y^2$ (d) $x^3 - y^3$
(e) None of these

e

If $\frac{x}{y} = \frac{3}{4}$, the ratio of $(2x + 3y)$ and $(3y - 2x)$ is :

[www.competoid.com]

- (a) 2 : 1 (b) 3 : 2
(c) 3 : 1 (d) 1 : 1

@@

Answer: 3 : 1

If $\frac{3x+5}{5x-2} = \frac{2}{3}$, then the value of x is

- (a) 11 (b) 19
(c) 23 (d) 7

[www.competoid.com]

@@

Answer: 19

If $\frac{a}{b} = \frac{c}{d} = \frac{e}{f}$, then each of them is equal to = ?

[www.examveda.com] [www.competoid.com]

- (a) $\frac{a+3c+5e}{b+d-f}$ (b) $\frac{3a+3c-5e}{b+3d-f}$
(c) $\frac{a+c-e}{b+d-5f}$ (d) $\frac{a+3c-5e}{b+3d-5f}$

d

If $\frac{a}{b} = \frac{b}{c} = \frac{c}{d}$, then $\frac{b^3+c^3+d^3}{a^3+b^3+c^3}$ will be equal to -

[www.examveda.com]

- (a) $\frac{a}{b}$ (b) $\frac{b}{c}$
(c) $\frac{c}{d}$ (d) $\frac{d}{a}$

d

If $\frac{y}{x-z} = \frac{y+x}{z} = \frac{x}{y}$, then find x : y : z.

[www.competoid.com]

- (a) 1 : 2 : 3 (b) 3 : 2 : 1
(c) 4 : 2 : 3 (d) 2 : 4 : 7

@@

Answer: 4 : 2 : 3

If $\frac{a+b-c}{c} = \frac{c+a-b}{b} = \frac{b+c-a}{a}$, then what is the value of each ratio?

[www.competoid.com]

- (a) 1 (b) 2
(c) 3 (d) 5

@@

Answer: 1

If $\frac{a}{b} = \frac{c}{d} = 5$, then $\frac{3a+4c}{3b+4d}$ equals to:

[www.competoid.com]

- (a) 5 (b) 20
(c) 60 (d) 15

@@

Answer: 5

If $\frac{2}{3}$ of A = 75% of B = 0.6 of C, then A : B : C is

[www.examveda.com] [www.competoid.com]

- (a) 2 : 3 : 3 (b) 3 : 4 : 5
(c) 4 : 5 : 6 (d) 9 : 8 : 10

d

If $\sqrt{2} : (1+\sqrt{3}) :: \sqrt{6} : x$, then x is equal to -

[www.examveda.com]

- (a) $\sqrt{3} + 3$ (b) $1 - \sqrt{3}$

- (c) $1 + \sqrt{3}$ (d) $\sqrt{3} - 3$

a

If $(x^3 - y^3) : (x^2 + xy + y^2) = 5 : 1$ and $(x^2 - y^2) : (x - y) = 7 : 1$, then the ratio 2x : 3y equals

[www.competoid.com]

- (a) 3 : 2 (b) 2 : 3
(c) 4 : 3 (d) 4 : 1

@@

Answer: 4 : 1

In 2 kg mixture of copper and aluminium, 30% is copper. How much aluminium powder should be added to the mixture so that the quantity of copper becomes 20%?

[www.competoid.com]

- (a) 900 gms (b) 800 gms
(c) 1000 gms (d) 1200 gms

@@

Answer: 1000 gms

In 80 litres mixture of milk and water the ratio of amount of milk to that of amount of water is 7 : 3. In order to make this ratio 2 : 1, how many litres of water should be added ?

[www.competoid.com]

- (a) 5 (b) 6
(c) 8 (d) 4

@@

Answer: 4

In a 45 litres mixture of milk and water, the ratio of the milk to water is 2 : 1. When some quantity of water is added to the mixture, this ratio becomes 1 : 2. The quantity of water added is

[www.competoid.com]

- (a) 10 litres (b) 21 litres
(c) 35 litres (d) 45 litres

@@

Answer: 45 litres

In a bag, there are coins of 25 p, 10 p and 5 p in the ratio of 1 : 2 : 3. If there is Rs. 30 in all, how many 5 p coins are there?

[www.indiabix.com] [www.examveda.com]

- (a) 50 (b) 100
(c) 150 (d) 200

c

In a certain school, the ratio of boys to girls is 7 : 5. If there are 2400 students in the school, then how many girls are there in the school?

[www.competoid.com]

- (a) 500 (b) 700
(c) 800 (d) 1000

@@

Answer: 1000

In a class of students, if 15 girls are taken out the ratio of the boys and girls becomes

2:1 . Later, it 40 boys are taken out then the ratio of the boys and girls becomes 2:5. What is the number of girls present in the class ?

[www.competoid.com]

- (a) 36 (b) 24
(c) 40 (d) 20

@@

Answer: 40

In a class, the number of boys and girls is in the ratio of 4 : 5. If 10 more boys join the class, the ratio of numbers of boys and girls becomes 6 : 5. How many girls are there in the class?

[www.competoid.com]

- (a) 20 (b) 30
(c) 25 (d) Couldn't be determined

@@

Answer: 25

In a college the number of students studying Arts, Commerce and Science are in the ratio of 3 : 5 : 8 respectively. If the number of students studying Arts, Commerce and Science is increased by 20%, 40% and 25% respectively, what will be the new ratio of students in Arts, Commerce and Science respectively?

[www.competoid.com]

- (a) 18 : 35 : 50 (b) 3 : 10 : 10
(c) 4 : 8 : 5 (d) 32 : 35 : 25

@@

Answer: 18 : 35 : 50

In a college union, there are 48 students. The ratio of the number of boys to the number of girls is 5 : 3. The number of girls to be added in the union, so that the number of boys to girls in 6 : 5 is = ?

[www.examveda.com] [www.competoid.com]

- (a) 6 (b) 7
(c) 12 (d) 17

(b)

In a college, the ratio of boys to girls is 31 : 23 respectively. When 75 more girls join the college, this ratio becomes 124 : 107. How many more girls should join the college to make the number of boys and girls equal?

[www.competoid.com]

- (a) 75 (b) 90
(c) 60 (d) 85

@@

Answer: 85

In a cricket match there are three types of tickets say A, B and C each costing Rs. 1000, Rs. 500 and Rs. 200 respectively. The ratio of three ticket sold of category A, B and C is 3 :

2 : 5. If the total collection from selling the tickets is Rs. 2.5 crores. Find the total number of tickets sold?

[www.competoid.com]

- (a) 5000 (b) 4800
(c) 50000 (d) 52000

@@

Answer: 50000

In a factory the salary of each worker is increased in the ratio 22 : 25 but the number of workers is decreased by $26\frac{2}{3}$. The net effect on the salary is:

[www.competoid.com]

- (a) $16\frac{2}{3}$ decrease (b) $11\frac{1}{9}$ decrease

- (c) 10% decrease (d) 20% increase

@@

Answer: 16231623 decrease

In a glass, milk and water are mixed in the ratio 3 : 5 and in another glass they are mixed in the ratio 6 : 1. In what ratio should the contents of the two glasses be mixed together so that the new mixture contains milk and water in the ration 1 : 1 ?

[www.competoid.com]

- (a) 20 : 7 (b) 8 : 3
(c) 27 : 4 (d) 25 : 9

@@

Answer: 20 : 7

In a house, there are dogs, cats and parrot in the ratio 3 : 7 : 5. If the number of cats was more than the number of dogs by a multiple of both 9 and 7, what is the minimum of pets in the house?

[www.lofoya.com]

- (a) 945 (b) 630
(c) 252 (d) 238

(a)

In a mixture of 25 litres the ratio of acid to water is 4 : 1. Another 3 litres of water of water is added to the mixture. The ratio of acid to water in the new mixture is = ?

[www.competoid.com] [www.examveda.com]

- (a) 5 : 2 (b) 2 : 5
(c) 3 : 5 (d) 5 : 3

(a)

In a mixture of 35 litres, the ratio of milk and water is 4 : 1. Another 7 litres of water is added to the mixture. Find the ratio of milk and water in the resulting mixture.

[www.competoid.com]

- (a) 3 : 2 (b) 2 : 1
(c) 4 : 3 (d) 5 : 1

@@

Answer: 2 : 1

in a mixture of 54 litres, the ratio of milk and water is 2 : 1. If the ratio of milk and water is to be 1 : 2 then the amount of water to be further added is

[www.competoid.com]

- (a) 54 litres (b) 60 litres
(c) 76 litres (d) 58 litres @@

Answer: 54 litres

In a pocket of A, the ratio of Rs.1 coins, 50p coins and 25p coins can be expressed by three consecutive odd prime numbers that are in ascending order. The total value of coins in the bag is Rs 58. If the number of Rs.1, 50p, 25p coins are reversed, find the new total value of coins in the pocket of A?

[www.lofoya.com]

- (a) Rs 68 (b) Rs 43
(c) Rs 75 (d) Rs 82 d

In a proportion the multiplication of 1st and 4th term is 40 and that of 2nd and 3rd term is $2.5x$, then the value of x is

[www.competoid.com]

- (a) 16 (b) 36
(c) 75 (d) 90 @@

Answer: 16

In a proportion the product of 1st and 4th terms is 40 and that of 2nd and 3rd terms is $2.5x$. Then the value of x is.

[www.examveda.com]

- (a) 16 (b) 26
(c) 75 (d) 90 a

In a ratio which is equal to 5 : 8. If the antecedent is 40, then the consequent is:

[www.competoid.com]

- (a) 25 (b) 64
(c) 48 (d) None of these @@

Answer: 64

In a ratio, which equals. to 6:7. If the antecedent is 42, what is the consequent?

[www.competoid.com]

- (a) 42 (b) 49
(c) 56 (d) 63 @@

Answer: 63

In a regiment the ratio between the number of officers to soldiers was 3 : 31 before. In a battle 6 officers and 22 soldiers were killed and the ratio become 1 : 13, the regiment before battle was = ?

[www.examveda.com] [www.competoid.com]

- (a) 31 (b) 38

- (c) 21 (d) 28 c

In a school having roll strength 286, the ratio of boys and girls is 8 : 5. If 22 more girls get admitted into the school, the ratio of boys and girls becomes

[www.examveda.com]

- (a) 12 : 7 (b) 10 : 7
(c) 8 : 7 (d) 4 : 3 d

In a school if there were 1554 students and the ratio of the number of boys and girls was 4 : 3. After few days, 30 girls joined the school but few boys left; as a result the ratio of the boys and girls became 7 : 6. The number of boys who left the school is

[www.competoid.com]

- (a) 76 (b) 84
(c) 86 (d) 74 @@

Answer: 76

In a school the number of boys and that of the girls are in the respective ratio of 2 : 3. If the number of boys is increased by 20% and that of girls is increased by 10%, what will be the new ratio of number of boys to that of the girls?

[www.competoid.com]

- (a) 14 : 5 (b) 5 : 8
(c) 13 : 4 (d) None of these @@

Answer: None of these

In a school, the ratio of boys to girls is 4 : 3 and the ratio of girls, to teachers is 8: 1. The ratio of students to teachers is :

[www.competoid.com]

- (a) 56 : 3 (b) 55 : 1
(c) 49 : 3 (d) 56 : 1 @@

Answer: 56 : 3

In a test, a candidate secured 336 marks out of maximum marks 'x'. If the maximum marks 'x' were converted into 400 marks, he would have secured 192 marks. What were the maximum marks of the test?

[www.competoid.com]

- (a) 700 (b) 750
(c) 500 (d) 650 @@

Answer: 700

In a town, 80 % of the population are adults of which the men and women are in the ratio of 9 : 7, respectively. If the number of adult women is 4.2 lakh, what is the total population of the town?

[www.competoid.com]

- (a) 12 lakh (b) 9.6 lakh
(c) 9.8 lakh (d) 11.6 lakh

Answer: 12 lakh

In an examination, a candidate scored marks in each of the five subjects in the ratio 4 : 5 : 6 : 7 : 8 and got an aggregate of 72%. In order to pass, if a candidate has to score 50% of the maximum marks in each subject and the maximum marks for all of the subjects are the same, then in how many subjects did the candidate fail?

[www.competoid.com]

- (a) Four subjects. (b) Three subjects.
(c) Two subjects. (d) One subject.

Answer: One subject.

In an examination, the number of those who passed and the number of those who failed were in the ratio 25 : 4. If five more had appeared and the number of failures was 2 less than earlier, the ratio of passers to failures would have been 22 : 3. Total number who appeared at the examination is

[www.competoid.com]

- (a) 145 (b) 150
(c) 155 (d) 1180

Answer: 150

In the previous question, what is the sum of the number of biscuits hidden by the last 2 men?

[www.lofoya.com]

- (a) 142 (b) 144
(c) 180 (d) 178

In two alloys A and B the ratio of Zinc and Tin is 5 : 2 and 3 : 4 respectively. 7 kg of the alloy A and 21 kg of the alloy B are mixed together to form a new alloy. What will be the ratio of Zinc and Tin in the new alloy?

[www.examveda.com] [www.competoid.com]

- (a) 2 : 1 (b) 1 : 2
(c) 2 : 3 (d) 1 : 1

In two types of brass, the ratio of Copper to zinc are 8 : 3 and 15 : 7 respectively. If the two types of brass be melted and mixed in the ratio 5 : 2 a new type of brass is obtained. The ratio of copper to zinc in this new type of brass is

[www.competoid.com]

- (a) 3 : 2 (b) 2 : 3
(c) 3 : 4 (d) 5 : 2

Answer: 5 : 2

In two types of stainless steel the ratio of chromium and steel are 2 : 11 and 5 : 21 respectively. In what proportion should the two types be mixed so that the ratio of chromium to steel in the mixed type becomes 7 : 32 = ?

[www.examveda.com] [www.competoid.com]

- (a) 2 : 3 (b) 3 : 4
(c) 1 : 2 (d) 1 : 3

In what respective ratio two varieties of rice costing Rs.36 per kg and Rs.60 per kg be mixed: so that by selling the mixture for Rs.54 per kg 20% profit is earned?

[www.competoid.com]

- (a) 3 : 2 (b) 7 : 5
(c) 5 : 3 (d) 5 : 2

Answer: 5 : 3

Income of A and B are in the ratio 4 : 3 and their annual expenses are in the ratio 3 : 2. If each save Rs. 60000 at the end of the year, the annual income of A is = ?

[www.examveda.com] [www.competoid.com]

- (a) Rs. 120000 (b) Rs. 150000
(c) Rs. 240000 (d) Rs. 360000

Income of two companies A and B are in the ratio of 5 : 8. Had the income of company 'A' been more by Rs.25 lakhs, the ratio of their income would have been 5 : 4 respectively. What is the income of company 'B'?

[www.competoid.com]

- (a) Rs.80 lakhs (b) Rs.50 lakhs
(c) Rs.40 lakhs (d) Rs.60 lakhs

Answer: Rs.40 lakhs

It takes 60 hours for 6 machine to print a job. In how many hours 15 machine will print the same job?

[www.competoid.com]

- (a) 30 (b) 15
(c) 24 (d) 40

Answer: 24

Joe's present age is $\frac{2}{7}$ th of his father's present age. Joe's brother is 3 years older than Joe. The respective ratio between present ages of Joe's father and Joe's brother is 14 : 5. What is Joe's present age?

[www.competoid.com]

- (a) 6 years (b) 15 years
(c) 12 years (d) 18 years

Answer: 12 years

Joseph bought two varieties of rice, costing 5 cents per ounce and 6 cents per ounce each, and mixed them in some ratio. Then he sold the mixture at 7 cents per ounce, making a profit of 20 percent. What was the ratio of the mixture?

[www.lofoya.com]

- (a) 1 : 10 (b) 1 : 5
(c) 2 : 7 (d) 3 : 8 **(b)**

If $x : y = 4 : 5$, then $(3x + y) : (5x + 3y) =$

[www.competoid.com]

- (a) 3 : 5 (b) 5 : 3
(c) 17 : 35 (d) 35 : 17 **@@**

Answer: 17 : 35

In a fort ration for 2400 people was sufficient for 60 days. After 16 days a few more people came and ration lasted for only 32 days. How many new comers are there?

[www.competoid.com]

- (a) 1900 (b) 1400
(c) 900 (d) 1200 **@@**

Answer: 900

Manish, Rahul and Bharti have some stones with each of the. Five times the number of stones with Rahul equals seven times the number of stones with Manish while five times the number of stones with Manish equals seven times the number of stones with Bharti. What is the minimum number of stones that can be there with all three of them put together?

[www.lofoya.com]

- (a) 113 (b) 109
(c) 93 (d) 97 **(b)**

Marks of two candidates p and Q are in the ratio 2 : 5 if the marks of P are 120, marks of Q are

[www.competoid.com]

- (a) 120 (b) 240
(c) 300 (d) 360 **@@**

Answer: 300

Martin, Michael, Lawrence and Joseph bought a used car for Rs.6000. Martin paid one half of the sum of the amount paid by the other boys, Michael paid one third of the sum of the amount paid by the other boys; and Lawrence paid one fourth of the sum of the amount paid by the other boys. How much did Joseph pay?

[www.competoid.com]

- (a) Rs.2000 (b) Rs.1300
(c) Rs.1500 (d) Rs.2600 **@@**

Answer: Rs.1300

Monthly salary of Dex is $\frac{1}{4}$ th of his father's monthly salary. Dex's sister's monthly salary is $\frac{2}{5}$ th of their father's monthly salary. Dex's

sister pays Rs.12,800, which is $\frac{1}{4}$ th of her monthly salary as study loan. Savings and expenses made out of the monthly salary by Dex is in th respective ratio 3 : 5. How much does Dex save each month?

[www.competoid.com]

- (a) Rs.12,000 (b) Rs.10,600
(c) Rs.10,400 (d) Rs.12,600 **@@**

Answer: Rs.12,000

Mr. Pandit owned 950 gold coins all of which he distributed amongst his three daughters Lalita, Amita and Neeta. Lalita gave 25 gold coins to her husband, Amita donated 15 gold coins and Neeta made jewellery out of 30 gold coins. The new respective ratio of the coins left with them was 20 : 73 : 83. How many gold coins did Amita receive from Mr. Pandit?

[www.competoid.com]

- (a) 380 (b) 415
(c) 400 (d) 350 **@@**

Answer: 380

Mr. X invested a certain amount in Debit and Equity funds in the ratio of 4 : 5 respectively. At the end of one year, he earned a total dividend of 30% on his investment. After one year he reinvested the amount including dividend in the ratio of 6 : 7 in Debit and Equity Funds. If the amount reinvested in Equity Funds was Rs.94,500, what was the original amount invested in Equity Funds?

[www.competoid.com]

- (a) Rs.75,000 (b) Rs.81,007
(c) Rs.60,000 (d) Rs.65,007 **@@**

Answer: Rs.75,000

Number of students in Arts and Science faculties in an institute are in the ratio of 5 : 8 respectively. If 150 more students join Arts faculty while 80 more students join Science

faculty, the respective ratio becomes 3 : 4. Originally what was the total number of students in both faculties together?

[www.competoid.com]

- (a) 1200 (b) 1400
(c) 1150 (d) None of these @@

Answer: None of these

Number of students in institutes A and B were in the ratio of 7 : 15 respectively in 2012. In 2013, the number of students in institute A increased by 25% and number of students in institutes B increased by 26%, then what was the respective ratio between number of students in institutes A and B?

[www.examveda.com]

- (a) 25 : 56 (b) 24 : 55
(c) 24 : 53 (d) 25 : 53
(e) 25 : 54 **e**

On a certain day, the ratio of the passenger in the 1st class and the second class travelling by train is 1 : 3. the ratio of the fares collected from each first class and second class passengers is 30 : 1. If the total amount collected from all the passengers is Rs 1,320. Find the amount in Rs, collected from the second class passengers.

[www.lofoya.com]

- (a) 240 (b) 360
(c) 480 (d) 120 **d**

On mixing two classes A and B of students having average marks 25 and 40 respectively. The over all average obtained is 30. Find the ratio of the students in the class A and B.

[www.competoid.com]

- (a) 2 : 1 (b) 5 : 8
(c) 5 : 6 (d) 3 : 4 @@

Answer: 2 : 1

One - fourth of sixty percent of a number is equal to two - fifths of twenty percent of another number. What is the respective ratio of the first number to the second number ?

[www.examveda.com]

- (a) 4 : 7 (b) 5 : 9
(c) 8 : 13 (d) Cannot be determine
(e) None of these **e**

One of the angles of a quadrilateral is thrice the smaller angle of a parallelogram. The respective ratio between the adjacent angles of the parallelogram is 4:5. Remaining three

angles of the quadrilateral are in ratio 4 : 11 : 9 respectively. What is the sum of the largest and the smallest angles of the quadrilateral?

[www.competoid.com]

- (a) 255° (b) 260°
(c) 265° (d) 270° @@

Answer: 260°260°

One of the angles of a triangle is two-third of sum of adjacent angles of parallelogram. Remaining angles of the triangle are in ratio 5 : 7 respectively. What is the value of second largest angle of the triangle?

[www.competoid.com]

- (a) 25° (b) 40°
(c) 35° (d) Cannot be determined
@@

Answer: 35°35°

One year ago, the ratio between A's and B's salary was 4 : 5. The ratio of their individual salaries of last year and present year are 3 : 5 and 2 : 3 respectively. If their total salaries for the present year is Rs 6800, the present salary of A is

[www.lofoya.com]

- (a) Rs 4080 (b) Rs 3200
(c) Rs 4533.40 (d) Rs 2720 **b**

One year ago, the ratio between Nicholas' and Stephanie's wages was 3: 4. The ratio of their individual wages between last year and this year are 4:5 and 2: 3 respectively. At present, the sum of their wages is Rs.4160. What is the present wage of Nicholas?

[www.competoid.com]

- (a) Rs.1200 (b) Rs.1600
(c) Rs.1800 (d) Rs.2200 @@

Answer: Rs.1600

One-half of a certain number is equal to 65% of the 2nd number. Find the ratio of 1st to 2nd number.

[www.competoid.com]

- (a) 10 : 13 (b) 8 : 13
(c) 13 : 8 (d) 13 : 10 @@

Answer: 13 : 10

Out of 120 applications for a post, 70 are males and 80 have a driver license. What is the ratio of between the minimum to maximum number of males having driver's license.

[www.competoid.com]

- (a) 1 : 2 (b) 2 : 3
(c) 3 : 7 (d) 5 : 7 @@

Answer: 3 : 7

$P = \frac{x^2 - 36}{x^2 - 49}$ and $Q = \frac{x + 6}{x - 7}$, then the value of $\frac{P}{Q}$ is

[www.competoid.com]

- (a) $\frac{x - 6}{x - 7}$ (b) $\frac{x - 6}{x + 7}$
(c) $\frac{x - 7}{x + 6}$ (d) $\frac{x + 6}{x - 7}$ @@

Answer: $x - 6x - 7x - 6x - 7$

P, Q and R enter into a partnership with capitals in the ratio 3 : 2 : 1. After 4 months, P leaves the business and after 4 more months Q also leaves the business and R continues till the end of the year. If R takes 10 of the profit for managing the business, then what part of the profit does R get?

[www.lofoya.com]

- (a) 37% (b) 36%
(c) 27% (d) 30% a

Points A and B are both in the line segment PQ and on the same side of its midpoint. A divides PQ in the ratio 2 : 3, and B divides PQ in the ratio 3 : 4. If AB = 2, then the length of PQ is:

[www.lofoya.com]

- (a) 70 (b) 75
(c) 80 (d) 85 a

Poorvi's age 8 years ago is equal to the sum of present ages of her son and her daughter. 5 years hence, the ratio between her daughter's age and her son's age will be 7 : 6 respectively. Poorvi's husband is 7 years elder than her. His husband's present age is thrice the present age of his son. What is their daughter's present age?

[www.competoid.com]

- (a) 23 years (b) 24 years
(c) 28 years (d) 25 years @@

Answer: 23 years

Present age of Amit and his father are in the ratio of 2 : 5 respectively. Four years hence the ratio of their age becomes 5 : 11 respectively. What was father's age five years ago?

[www.competoid.com]

- (a) 40 years (b) 45 years
(c) 30 years (d) 35 years @@

Answer: 35 years

Present age of Ram is equal to Shyam's age 8 years ago. 6 years hence, the respective ratio between Shyam's age and Ram's age will be 6 : 5 at that time. What is Ram's present age?

[www.competoid.com]

- (a) 40 years (b) 24 years
(c) 28 years (d) 34 years @@

Answer: 34 years

Present age of Seema and Naresh are in the respective ratio of 5:7. Five years hence the ratio of their age becomes 3 : 4 respectively. What is Naresh's present age (in years)?

[www.competoid.com]

- (a) 25 (b) 40
(c) 30 (d) None of these @@

Answer: None of these

Present ages of A and B are in the ratio 5 : 6 respectively. After seven years this ratio becomes 6 : 7. Then the present age of A in years is = ?

[www.competoid.com] [www.examveda.com]

- (a) 35 years (b) 33 years
(c) 32 years (d) 30 years a

Production of company A is 120% of the production of company B and 80% of the production of company C. What is the ratio between the productions of companies A, B and C respectively?

[www.competoid.com]

- (a) 6 : 5 : 9 (b) 6 : 5 : 4
(c) 12 : 10 : 15 (d) 10 : 12 : 15 @@

Answer: 12 : 10 : 15

Radha's present age is three years less than twice her age 12 years ago. Also the respective ratio between Raj's present age and Radha's present age is 4 : 9. What will be Raj's age after 5 years?

[www.competoid.com]

- (a) 12 years (b) 7 years
(c) 21 years (d) None of these @@

Answer: None of these

Ram got twice as many marks in English as in Science. His total mark in English, Science and Math are 180. If the ratio of his marks in English and Maths is 2 : 3, what is the marks in Science = ?

[www.examveda.com] [www.competoid.com]

- (a) 30 (b) 60

- (c) 72 (d) 90 (a)
 ## Ratio of A's age to B's age is 4 : 3. 'A' will be 26 years old after 6 years. The age of B now is = ?

[www.examveda.com] [www.competoid.com]

- (a) 11 years (b) 21 years
 (c) 22 years (d) 15 years (d)
 ## Ratio of Rams and Komars age is 3 : 5 respectively. Ratio of Komal's and Pooja's age is 2 : 3 respectively. If Rani is two-fifth of Pooja's age. what is Rani's age?

[www.competoid.com]

- (a) 10 years (b) 15 years
 (c) 24 years (d) Cannot be determined

@@

Answer: Cannot be determined

- ## Ratio of the earnings of A and B is 4 : 7 respectively. If the earnings of A increase by 50% and the earnings of B decrease by 25% the new ratio of their earnings becomes 8 : 7 respectively. What are A's earnings?

[www.competoid.com]

- (a) Rs.26,000 (b) Rs.28,000
 (c) Rs.21,000 (d) Data inadequate @@

Answer: Data inadequate

- ## $\frac{2}{3}$ rd of a property is Rs.960. How much will be $\frac{3}{4}$ of that property?

[www.competoid.com]

- (a) Rs.1080 (b) Rs.1440
 (c) Rs.1040 (d) Rs. 960 @@

Answer: Rs.1080

- ## Respective ratio between total number of students studying in College A and College B is 5 : 8. In College B. out of the total number of students, $\frac{5}{8}$ th are boys, out of which 60% study Commerce and the remaining 800 boys study in other streams. What is the total number of students in College A?

[www.competoid.com]

- (a) 1500 (b) 2500
 (c) 1200 (d) 2000 @@

Answer: 2000

- ## Rohit has some 50 paisa coins, some 2 rupee coins, some 1 rupee coins and some 5 rupee coins. The value of all the coins is Rs.50. Number of 2 rupee coins is 5 more than that of the 5 rupee coins, 50 paisa coins are

double in number than 1 rupee coins. Value of 50 paisa coins and 1 rupee coins is Rs.26. How many 2 rupee coins does he have?

[www.competoid.com]

- (a) 4 (b) 2
 (c) 7 (d) Cannot be determined
 @@

Answer: 7

- ## Rs 4830 is divided among Abhishek, Dishant and Prashant such that if Abhishek's share diminishes by Rs 5, Dishant's share diminishes by Rs 10 and Prashant's share diminishes by Rs 15, their shares will be in the ratio 5 : 4 : 3. Find the Dishant's original share

[www.lofoya.com]

- (a) 1610 (b) 2010
 (c) 2410 (d) 1590 (a)

- ## Rs 5625 is divided among A,B and C so that A may received $\frac{1}{2}$ as much as B and C together receive and B received $\frac{1}{4}$ of what A and C together receive. The share of A is more than that of B by

[www.competoid.com]

- (a) Rs. 750 (b) Rs. 775
 (c) Rs. 1500 (d) Rs. 1600 @@

Answer: Rs. 750

- ## Rs. 1087 is divided among A, B and C such that if Rs. 10, Rs. 12 and Rs. 15 are diminished from the shares of A, B and respectively, the remainders will be in the ratio of 5, 7 and 9. What is the share of B ?

[www.examveda.com]

- (a) Rs. 260 (b) Rs. 355
 (c) Rs. 362 (d) Rs. 465 (c)

- ## Rs. 16000 are to be distributed between B and A such that B gets Rs 4000 less than A The ratio of the amount received by A to that received by B is

[www.competoid.com]

- (a) 3 : 5 (b) 5 : 3
 (c) 6 : 1 (d) 1 : 3 @@

Answer: 5 : 3

- ## Rs. 1740 is divided among A, B and C such that 0.5 of A = 0.6 of B = 0.75 of C. Then C will get = ?

[www.examveda.com] [www.competoid.com]

- (a) Rs. 580 (b) Rs. 696
 (c) Rs. 348 (d) Rs. 464 (d)

Rs. 180 contained in a box consists of one rupee , 50 paise and 25 paise coins in the ratio 2 : 3 : 4. What is the number of 50 paise coins ?

[www.competoid.com]

- (a) 60 (b) 120
(c) 150 (d) 180

@@

Answer: 120

Rs. 2010 are to be divided among A, B, C in such a way that if A gets Rs. 5, then B must get Rs. 12 and if B gets Rs. 4, then C must get Rs. 5.50. The share of C will exceed that of B by -

[www.examveda.com]

- (a) Rs. 270 (b) Rs. 360
(c) Rs. 430 (d) Rs. 620

(a)

Rs. 2420 were divided among A, B, C, so that A : B = 5 : 4 and B : C = 9 : 10 then C gets

[www.competoid.com]

- (a) 680 (b) 800
(c) 900 (d) 950

@@

Answer: 800

Rs. 3,000 is divided between A, B and C so that A receives $\frac{1}{3}$ as much as B and C together receive and B receives $\frac{2}{3}$ as much as A and C together receive. Then the share of C is

[www.competoid.com]

- (a) Rs. 600 (b) Rs. 525
(c) Rs. 1625 (d) Rs. 1050

@@

Answer: Rs. 1050

Rs. 3400 is divided among A, B, C, D in such a way that the share of A and B, B and C, C and D may be as 2 : 3, 4 : 3 and 2 : 3 respectively. The sum of shares of B and D is.

[www.competoid.com]

- (a) Rs. 2040 (b) Rs. 1680
(c) Rs. 2000 (d) Rs. 1720

@@

Answer: Rs. 2040

Rs. 555 was to be divided among A, B and C in the ratio of $\frac{1}{4} : \frac{1}{5} : \frac{1}{6}$. But by mistake it was divided in the ratio 4 : 5 : 6. The amount in excess received by C was

[www.competoid.com]

- (a) Rs. 72 (b) Rs. 75
(c) Rs. 22 (d) Rs. 52

@@

Answer: Rs. 72

Rs. 600 are divided among A, B, C so that Rs. 40 more than $\frac{2}{5}$ of A's share, Rs. 20 more than $\frac{2}{7}$ of B's share and Rs. 10 more than $\frac{9}{17}$ of C's share may all be equal. What is A's share ?

[www.examveda.com] [www.competoid.com]

- (a) Rs. 150 (b) Rs. 170
(c) Rs. 200 (d) Rs. 280

(a)

Rs. 730 were divided among A, B, C in such a way that if A gets Rs. 3 then B gets Rs. 4 and if B gets Rs. 3.5 then C gets Rs. 3. The share of B exceeds that of C by = ?

[www.examveda.com] [www.competoid.com]

- (a) Rs. 30 (b) Rs. 40
(c) Rs. 70 (d) Rs. 210

(b)

Rs. 738 is divided among A, B, C so that their shares are in the ratio of 2 : 3 : 4. B's Share is Rs. 738

[www.competoid.com]

- (a) Rs. 328 (b) Rs. 246
(c) Rs. 264 (d) Rs. 164

@@

Answer: Rs. 246

Rs. 900 is divided among A, B, C the division is such that $\frac{1}{2}$ of A's money = $\frac{1}{3}$ of B's money = $\frac{1}{4}$ of C's money. Find the amount (in rupees) received by A, B, C = ?

[www.examveda.com] [www.competoid.com]

- (a) 300, 400, 100 (b) 350, 450, 100
(c) 200, 300, 400 (d) 400, 150, 350

(c)

Rs. 432 is divided amongst three workers A, B and C such that 8 times A's share is equal to 12 times B's share which is equal to 6 times C's share. How much did each of them get?

[www.competoid.com] [www.lofoya.com]

- (a) Rs. 90, Rs. 60 and Rs. 120
(b) Rs. 144, Rs. 96 and Rs. 192
(c) Rs. 150, Rs. 100 and Rs. 200
(d) Rs. 120, Rs. 80 and Rs. 160

@@

Answer: Rs. 144, Rs. 96 and Rs. 192

Rs. 624 has been divided among A, B, C in such a way that if their shares be diminished

by Rs. 7, Rs. 8 and Rs. 9 respectively, the remainders are in the ratio 1 : 2 : 3. Then A's share is

- (a) Rs. 170 (b) Rs. 117
(c) Rs. 71 (d) Rs. 107 @@

Answer: Rs. 107

Salaries of A, B and C are in the ratio of 2 : 3 : 5 respectively. If their salaries were increased by 15%, 10% and 20% respectively what will be the new respective ratio of their salaries?

- (a) 3 : 3 : 10 (b) 23 : 33 : 60
(c) 10 : 11 : 20 (d) Can't be determined @@

Answer: 23 : 33 : 60

Salaries of A, B and C were in the ratio 3 : 5 : 7, respectively. If their salaries were increased by 50%, 60% and 50% respectively, what will be the new ratio of the their respective salaries?

- (a) 4 : 5 : 7 (b) 3 : 6 : 7
(c) 4 : 15 : 18 (d) 9 : 16 : 21 @@

Answer: 9 : 16 : 21

Salaries of Ravi and Sumit are in the ratio 2 : 3. If the salary of each is increased by Rs. 4000, the new ratio becomes 40 : 57. What is Sumit's salary?

- (a) Rs. 17,000 (b) Rs. 20,000
(c) Rs. 25,500 (d) Rs. 38,000 @

Samartha is five times as old as his daughter Trisha and Samartha's wife Phalguni's age is 26 years more than that of Trisha. The difference between thrice the age of Samarth ten years ago and twice the age of Phalguni ten years ago was 42 years. What will be the respective ratio of Phalguni's age 12 years hence and Samartha's age 12 years hence?

- (a) 23 : 26 (b) 24 : 29
(c) 19 : 23 (d) 21 : 25 @@

Answer: 23 : 26

Samira, Mahira and Kiara rented a set of DVDs at a rent of Rs. 578. If they used it for 8 hours, 12 hours and 14 hours respectively, what is Kiara's share of rent to be paid?

[www.competoid.com]

- (a) Rs. 238 (b) Rs. 204
(c) Rs. 192 (d) Rs. 215 @@

Answer: Rs. 238

Shyam, Gopal and Madhur are three partners in a business. Their capitals are respectively Rs 4,000, Rs 8,000 and Rs 6,000. Shyam gets 20% of total profit for managing the business. The remaining profit is divided among the three in the ratio of their capitals. At the end of the year, the profit of Shyam is Rs 2200 less than the sum of the profit of Gopal and Madhur. profit, Madhur will get?

[www.lofoya.com]

- (a) Rs 1600 (b) Rs 2400
(c) Rs 3000 (d) Rs 5000 @

Smallest angle of a triangle is equal to two-third of the smallest angle of a quadrilateral. The ratio between the angles of the quadrilateral is 3 : 4 : 5 : 6. Largest angle of the triangle is twice its smallest angle. What is the sum of second largest angle of the triangle and largest angle of the quadrilateral?

[www.competoid.com]

- (a) 160° (b) 180°
(c) 190° (d) 170° @@

Answer: 180° 180°

Solve for x, if $\frac{x^2 + 7x - 4}{7x - 4} = \frac{x^2 + 12x - 7}{12x - 7}$

[www.competoid.com]

- (a) $\frac{4}{5}$ (b) $\frac{6}{5}$
(c) $\frac{9}{5}$ (d) $\frac{3}{5}$ @@

Answer: 3535

Stephen a cross country rider, drives a certain distance in 30 days resting for 8 hours each day. How long will Stephen take to cover thrice the distance at twice the speed resting each day, one and half times as he does now?

[www.competoid.com]

- (a) 60 Days (b) 56 Days
(c) 48 Days (d) 72 Days @@

Answer: 60 Days

The age of A and B are 12 years and 18 years respectively then the ratio between them 12 : 18 = 2 : 3

[www.competoid.com]

- (a) 2 : 3 (b) 3 : 5

(c) 4 : 7 (d) 2 : 5 @@
Answer: 2 : 3

The age of Melwyn and Louis are in the ratio of 7 : 10 respectively. After 6 years the ratio of their age will be 17 : 23. What is the difference in their age?
[www.competoid.com]

(a) 8 years (b) 4 years
(c) 12 years (d) 10 years @@

Answer: 12 years

The age of Samir and Tanuj are in the ratio of 8 : 15 years respectively. After 9 years the ratio of their age will be 11 : 18. What is the difference (in years) between their age?
[www.competoid.com]

(a) 24 years (b) 20 years
(c) 33 years (d) 21 years @@

Answer: 21 years

The age of Sonal and Nitya are in the ratio of 9 : 5 respectively. After 8 years the ratio of their age will be 13 : 9. What is the difference (in years) between their age?
[www.competoid.com]

(a) 4 years (b) 12 years
(c) 6 years (d) 8 years @@

Answer: 8 years

The age of Sulekha and Arunima are in the ratio of 9 : 8 respectively. After 5 years the ratio of their age will be 10 : 9. What is the difference (in years) between their age?
[www.competoid.com]

(a) 4 years (b) 5 years
(c) 6 years (d) None of these @@

Answer: 5 years

The age of Khushi and Jagriti are in the ratio of 5 : 8 respectively. After 8 years the ratio of their age will be 3 : 4. What is the difference in their age?
[www.competoid.com]

(a) 16 years (b) 8 years
(c) 10 years (d) None of these @@

Answer: None of these

The amount of work done by a man, a woman and a teenager are in the ratio of 3 : 2 : 1; If a farm employed 10 men, 15 women and 5 teenagers and paid a total of Rs.130 per hour as wages to them, what wage will the farm pay to 14 men, 16 women and 1 teenager for an 8 hour day at the same

rates?

(a) Rs.1400 (b) Rs.1000
(c) Rs.1600 (d) Rs.1200 @@

Answer: Rs.1200

The angles of a quadrilateral are in ratio of 3 : 5 : 9 : 7. The second largest angle of the quadrilateral is equal to the largest angle of a triangle. One of the angles of the triangle is 25°. What is the value of second largest angle of the triangle?
[www.competoid.com]

(a) 60° (b) 50°
(c) 40° (d) 20° @@

Answer: 50°

The angles of a quadrilateral are in the ratio 7 : 9 : 11 : 3. The largest angle of a triangle is equal to the third largest angle of the quadrilateral. The remaining two angles of the triangle are equal. What are the smaller angle of triangle and the second largest angle of quadrilateral?
[www.competoid.com]

(a) 48°, 108° (b) 46°, 132°
(c) 48°, 132° (d) 52°, 108° @@

Answer: 48°, 108°

The angles of a quadrilateral are in the ratio of 2 : 4 : 7 : 5. The smallest angle of the quadrilateral is equal to the smallest angle of a triangle. One of the angles of the triangle is twice the smallest angle of the triangle. What is the second largest angle of the triangle?
[www.competoid.com]

(a) 80° (b) 60°
(c) 120° (d) Cannot be determined @@

Answer: 60°

The annual income of A and B are in the ratio 4 : 3 and the ratio of their expenditures is 3 : 2. If each of them saves Rs. 600 in the year, the annual income of A is = ?
[www.competoid.com] [www.examveda.com]

(a) Rs. 4800 (b) Rs. 1800
(c) Rs. 1200 (d) Rs. 2400 d

The annual salary of A, B, C is in the proportion of 3 : 4 : 5. If C's annual salary is Rs 80000 more than that of A, then B's monthly salary is
[www.competoid.com]

(a) Rs. 13666.67 (b) Rs. 13333.33

- (c) Rs. 14373.67 (d) Rs. 16666.67 @@

Answer: Rs. 13333.33

The army of two countries A and B number 125,000 and 160,000 men respectively. Each of them get an additional 10,000 recruits into their armies. Which country has had a higher proportionate increase in its military strength?

[www.competoid.com]

- (a) Country 'B' (b) Country 'A'
(c) None (d) Not distinguishable

@@

Answer: Country 'A'

The average age of a man and his son is 30 years. The ratio of their age tom-years ago was 10 : 3 respectively. What is the difference between the present age of the man and his son?

[www.competoid.com]

- (a) 28 years (b) 16 years
(c) 26 years (d) 44 years @@

Answer: 28 years

The average temperature of Gwalior, Agra and Lucknow is 37°C. The average temperature of Agra, Gwalior and Delhi is 38° C. If the temperature of Delhi is 39° C, find the ratio of temperature of Delhi to that of Lucknow?

[www.competoid.com]

- (a) 12 : 11 (b) 13 : 12
(c) 12 : 13 (d) Can't be determined

@@

Answer: 13 : 12

The average weight of boys in a class is 45 kg while that of girls is 36 kg. The average weight of the whole class is 42.25 kg. What is the respective ratio between the number of boys and girls in the class?

[www.competoid.com]

- (a) 11 : 25 (b) 25 : 11
(c) 25 : 12 (d) 12 : 25 @@

Answer: 25 : 11

The compound ratio of the inverse ratios of the ratios $x : yz$, $y : zx$, $z : xy$ is:

[www.competoid.com]

- (a) 1 : xyz (b) xyz : 1
(c) 1 : 1 (d) x : yz @@

Answer: xyz : 1

The cost of a bus fare is directly proportional to the length of the journey. It

Rs.32 is charged for a journey of 8a kms, how much is the fare for a journey of 12b kms?

[www.competoid.com]

- (a) $\frac{64b}{a}$ (b) $\frac{36b}{a}$
(c) $\frac{48b}{a}$ (d) $\frac{56b}{a}$ @@

Answer: 48ba48ba

The cost of a table and a chair are in the ratio of 5 : 7. If the cost of chair and table is increased by 20% and 10% respectively, then what will be the new ratio?

[www.examveda.com]

- (a) 16 : 17 (b) 55 : 84
(c) 60 : 77 (d) Data inadequate
(e) None of these (b)

The cost of etching a glass with design varies directly as the square of its area. It will cost Rs.80 to etch a glass plate of 1m × 1m dimension. What would be the loss to the artist if he were to etch 4 pieces, each measuring $\frac{1}{2}\text{m} \times \frac{1}{2}\text{m}$ instead of the 1m × 1m piece?

[www.competoid.com]

- (a) Rs.60 (b) Rs.40
(c) Rs.30 (d) Rs.50 @@

Answer: Rs.60

The current ages of Sonali and Monali are in the ratio 5 : 3. Five years from now, their ages will be in the ratio 10 : 7. Then Monali's current age is = ?

[www.competoid.com] [www.examveda.com]

- (a) 3 years (b) 5 years
(c) 9 years (d) 15 years (c)

The daily wages of two workers are in the ratio of 7 : 8. 'If each of them gets a rise of Rs.40, then the ratio of their wages will be 8 : 9. What are their respective wages before the increase?

[www.competoid.com]

- (a) Rs.210 and Rs.240 (b) Rs.350 and Rs.400
(c) Rs.280 and Rs.320 (d) Rs.315 and Rs.360 @@

Answer: Rs.280 and Rs.320

The diameter of two cones are one metre each. Their curved surface are 198 m² and 220 m². The ratio of their slant height is

[www.competoid.com]

- (a) 7 : 9 (b) 8 : 9

(c) 9 : 10 (d) 10 : 11 @@
Answer: 9 : 10

The difference between the present age of Anil and Sudhii is 6 years. The ratio between their age after 4 years will be 3 : 4. What can be the present age of Sudhir?
[www.competoid.com]

- (a) 15 years (b) 18 years
(c) 20 years (d) 24 years @@

Answer: 20 years

The difference between two positive numbers is 10 and the ratio between them is 5 : 3. Find the product of the two numbers.
[www.examveda.com]

- (a) 375 (b) 175
(c) 275 (d) 125
(e) 250 (a)

The dimensions of a rectangular room when increased by 4 m are in the ratio of 4 : 3 and when decreased by 4 m are in the ratio of 2 : 1. The dimensions of the room are
[www.competoid.com]

- (a) 6 m and 4 m (b) 12 m and 8 m
(c) 16 m and 12 m (d) 24 m and 16 m @@

Answer: 12 m and 8 m

The expenses of a dormitory are partly fixed and partly variable. It costs Rs.12 per head per day if there are 20 students and Rs.11 per head per day if there are 25 students. What will be the cost per head per day if the number of students increases to 40?
[www.competoid.com]

- (a) Rs.12 (b) Rs.10
(c) Rs.9.5 (d) Rs.8 @@

Answer: Rs.9.5

The income of A and B are in the ratio 2 : 3 and their expenditures are in the ratio 1 : 2. If each saves Rs. 24,000 . find A's income.
[www.competoid.com]

- (a) Rs. 24,000 (b) Rs. 72,000
(c) Rs. 19,200 (d) Rs. 48,000 @@

Answer: Rs. 48,000

The income of A, B and C are in the ratio 7 : 9 : 12 and their spending are in the ratio 8 : 9 : 15. If A saves $\frac{1}{4}$ th of his income then the savings of A, B and C are in the ratio of = ?
[www.competoid.com] [www.examveda.com]

- (a) 56 : 99 : 69 (b) 69 : 56 : 99
(c) 99 : 56 : 69 (d) 99 : 69 : 56 (a)

The incomes of A and B are in the ratio 3 : 2 and their expenditure are in ratio 5 : 3. If each saves Rs. 1000, then, A's income can be:
[www.examveda.com]

- (a) Rs. 3000 (b) Rs. 4000
(c) Rs. 6000 (d) Rs. 9000
(e) Rs. 4500 (c)

The incomes of A and B are in the ratio 3 : 2 and their expenses are in the ratio 5 : 3. If both save Rs.200, What is the income of A?
[www.competoid.com]

- (a) Rs.1500 (b) Rs.1200
(c) Rs.1800 (d) Rs.2100 @@

Answer: Rs.1200

The L.C.M of two numbers is 24 and the ratio of the two numbers is 2 : 3. What is the difference between the two numbers?
[www.competoid.com]

- (a) 2 (b) 8
(c) 6 (d) 4 @@

Answer: 4

The largest and the second largest angles of a triangle are in the ratio of 3 : 2 respectively. The smallest angle is 20% of the sum of the largest and the second largest angles. What is the sum of the smallest and the second largest angles?
[www.competoid.com]

- (a) 80° (b) 60°
(c) 100° (d) 90° @@

Answer: 90°90°

The largest and the second largest angles of a triangle are in the ratio of 13 : 12 respectively. The smallest angle is 20% of the sum of the largest and the second largest angles. What is the sum of the smallest and the second largest angles?
[www.competoid.com]

- (a) 120° (b) 108°
(c) 100° (d) 102° @@

Answer: 102°102°

The largest and the smallest angles of a triangle are in the ratio of 3 : 1 respectively. The second largest angle of the triangle is equal to 44°. What is the value of 150 per cent of the largest angle of the triangle?
[www.competoid.com]

- (a) 149 (b) 129
(c) 153 (d) 173 @@

Answer: 153

The Lucknow-Indore Express without its rake can go 24 km an hour, and the speed is diminished by a quantity that varies as the square root of the number of wagon attached. If it is known that with four wagons its speed is 20 km/h, the greatest number of wagons with which the engine can just move is

[www.examveda.com]

- (a) 144 (b) 140
(c) 143 (d) 124
(e) 142 (c)

The marks of 3 students A, B and C are in the ratio 10: 12: 15. If the maximum marks of the paper are 100, then the marks of B cannot be in the range of

[www.competoid.com]

- (a) 20-30 (b) 40-50
(c) 70-80 (d) 80-90 @@

Answer: 80-90

The mean proportion between 72 and 128 is

[www.competoid.com]

- (a) 100 (b) 90.67
(c) 109.34 (d) 96 @@

Answer: 96

The milk and water in a mixture are in the ratio 7 : 5. When 15 liters of water are added to it, the ratio of milk and water in the new mixture becomes 7 : 8. The total quantity of water in the new mixture is:

[www.competoid.com] [www.examveda.com]

- (a) 35 litres (b) 40 litres
(c) 60 litres (d) 96 litres (b)

The monthly income of two persons are in the ratio 2 : 3 and their monthly expenses are in the ratio 5 : 9. If each of them saves Rs. 600 per month, then their monthly incomes are

[www.competoid.com]

- (a) Rs. 1,500 : Rs. 2,225 (b) Rs. 1,200 : Rs. 1,800
(c) Rs. 1,600 : Rs. 2,400 (d) Rs. 1,400 : Rs. 2,100 @@

Answer: Rs. 1,600 : Rs. 2,400

The monthly incomes of two persons are in the ratio of 4 : 5 and their monthly expenditures are in the ratio of 7 : 9. If each saves Rs.50 a month, then what are their monthly incomes?

[www.competoid.com] [www.lofoya.com]

- (a) Rs.100, Rs.125 (b) Rs.400, Rs.375
(c) Rs.300, Rs.375 (d) Rs.400, Rs.500 @@

Answer: Rs.400, Rs.500

The monthly salaries of A, B and C are in the ratio 2 : 3 : 5. If C's monthly salary is Rs. 12,000 more than that of A, then B's annual salary is

[www.examveda.com] [www.competoid.com]

- (a) Rs. 1,20,000 (b) Rs. 1,44,000
(c) Rs. 1,80,000 (d) Rs. 2,40,000 @@

Answer: Rs. 1,44,000

The monthly salaries of two persons are in the ratio of 4 : 7. If each receives an increase of Rs.25 in the salary, the ratio is altered to 3 : 5. Find their respective salaries.

[www.lofoya.com]

- (a) 120 and 210 (b) 80 and 140
(c) 180 and 300 (d) 200 and 350 (d)

The most economical speed for this journey is :

[www.lofoya.com]

- (a) 20 km/hr (b) 30 km/hr
(c) 35 km/hr (d) 40 km/hr (d)

The number of oranges in three basket are in the ratio 3 : 4 : 5. In which ratio the no. of oranges in first two basket must be increased so that the new ratio becomes 5 : 4 : 3 ?

[www.examveda.com]

- (a) 3 : 4 (b) 2 : 3
(c) 1 : 3 (d) 2 : 1
(e) None of these (d)

The number of students in 3 classes is in the ratio 2 : 3 : 4. If 12 students are increased in each class this ratio changes to 8 : 11 : 14. The total number of students in the three classes in the beginning was

[www.examveda.com]

- (a) 162 (b) 108
(c) 96 (d) 54 (a)

The number to be added to each of the numbers 7, 16, 43, 79 to make the numbers in proportion is = ?

[www.competoid.com] [www.examveda.com]

- (a) 2 (b) 3
(c) 5 (d) 1 (c)

The numbers are in the ratio 3 : 5 and their LCM is 225. The smaller number is = ?

[www.examveda.com]

- (a) 45 (b) 60
(c) 75 (d) 90 (a)

The present age of A, B and C are in the ratio of 8 : 14 : 22 respectively. The present age of B, C and D are in the ratio of 21 : 33 : 44 respectively. Which of the following represents the ratio of the present age of A, B, C and D respectively?

[www.competoid.com]

- (a) 12 : 21 : 33 : 44 (b) 12 : 22 : 31 : 44
(c) 12 : 21 : 36 : 44 (d) Cannot be determined

@@

Answer: 12 : 21 : 33 : 44

The present age of Bob is equal to Abby's age 8 years ago. Four years hence, the respective ratio between Bob's age and Abby's age will be 4 : 5 at that time, What is Bob's present age?

[www.competoid.com]

- (a) 24 years (b) 32 years
(c) 40 years (d) 28 years

@@

Answer: 28 years

The present age of two persons are 36 and 50 years respectively. If after n years the ratio of their age will be 3 : 4, then the value of n is

[www.competoid.com]

- (a) 4 (b) 7
(c) 6 (d) 3

@@

Answer: 6

The present age of Vishal and Shekhar are in the ratio of 14 : 17 respectively. Six years from now, their age will be in the ratio of 17 : 20 respectively. What is Shekhar's present age?

[www.competoid.com]

- (a) 17 years (b) 51 years
(c) 34 years (d) 28 years

@@

Answer: 34 years

The present ages of A and B are as 6 : 4. Five years ago their ages were in the ratio 5 : 3. Find their present ages.

[www.lofoya.com]

- (a) 42, 28 (b) 36, 24
(c) 30, 20 (d) 25, 15

C

The present ages of Ranjana and Rakhi are in the ratio of 15 : 17 respectively. After 6 years, the respective ratio between the age of Ranjana and Rakhi will be 9 : 10. What will be the age of Ranjana after 6 years?

[www.competoid.com]

- (a) Other than those given as options (b) 40 years

- (c) 34 years (d) 36 years @@

Answer: 36 years

The present ratio of ages of A and B is 4 : 5. 18 years ago, this ratio was 11 : 16. Find the sum total of their present ages.

[www.examveda.com]

- (a) 90 years (b) 105 years
(c) 110 years (d) 80 years
(e) 95 years

a

The price of a diamond is proportional to the square of its mass, which is measured in carats. A 6 carat diamond was broken into two parts and total price of the two pieces is $\frac{5}{8}$ th of the price of original diamond. The masses (in carat) of two pieces are

[www.competoid.com]

- (a) 3.5 and 2.5 (b) 5 and 1
(c) 4.5 and 1.5 (d) 3.2 and 2.8

@@

Answer: 4.5 and 1.5

The price of a refrigerator and a television set are in the ratio 5 : 3. If the refrigerator costs Rs.5500 more than the television set, then the price of the refrigerator is:

[www.competoid.com]

- (a) Rs. 27500 (b) Rs. 8250
(c) Rs. 13750 (d) Rs. 16500

@@

Answer: Rs. 13750

The price of sugar is increased by 20%. If the expenditure is not allowed to increase, the ratio between the reduction in consumption and the original consumption is

[www.competoid.com]

- (a) 1 : 3 (b) 1 : 4
(c) 1 : 6 (d) 1 : 5

@@

Answer: 1 : 6

The prices of a scooter and a television set are in the ratio 3 : 2, If a scooter costs Rs.6000 more than the television set, the price of the television set is

[www.competoid.com]

- (a) Rs. 1800 (b) Rs.12000
(c) Rs.10,000 (d) Rs. 6,000

@@

Answer: Rs.12000

The proportion of acid and water in three samples is 2 : 1, 3 : 2 and 5 : 3, A mixture containing equal quantities of all three samples is made. The ratio of acid and water in the mixture is:

[www.lofoya.com] [www.competoid.com]

- (a) 12 : 133 (b) 227 : 133
(c) 3 : 8 (d) 5 : 11 @@

Answer: 227: 133

The quantity that must be added to each term of $a : b$, so as to make it $c:d$, is

[www.competoid.com]

- (a) $\frac{ab - cd}{a - b}$ (b) $\frac{ac + bd}{c + a}$
(c) $\frac{ab + bc}{c + d}$ (d) $\frac{ad - bc}{c - d}$ @@

Answer: $ad - bcc - dad - bcc - d$

The ratio between Sumit's and Prakash's age at present is 2 : 3. Sumit is 6 years younger than Prakash. The ratio of Sumit's age to Prakash's age after 6 years will be

[www.competoid.com]

- (a) 2 : 3 (b) 1 : 2
(c) 4 : 3 (d) 3 : 4 @@

Answer: 3 : 4

The ratio between the adjacent angles of a parallelogram is 7 : 8 respectively. Also the ratio between the angles of quadrilateral is 5 : 6 : 7 : 12. What is the sum of the smaller angle of parallelogram and second largest angle of the quadrilateral?

[www.competoid.com]

- (a) 168° (b) 228°
(c) 156° (d) 224° @@

Answer: $168^\circ, 168^\circ$

The ratio between the age of a father and a son at present is 5 : 2 respectively. Four years hence the ratio between the age of the son and his mother will be 1 : 2 respectively. What is the ratio between the present age of the father and the mother respectively?

[www.competoid.com]

- (a) 3 : 4 (b) 5 : 4
(c) 4 : 3 (d) Cannot be determined

@@

Answer: Cannot be determined

The ratio between the ages of A and B is 3 : 5 and the sum of their ages is 56 yr. The ratio between their ages 7 yr ago was

[www.competoid.com]

- (a) 3 : 4 (b) 3 : 5
(c) 1 : 2 (d) 2 : 3 @@

Answer: 1 : 2

The ratio between the angles of a quadrilateral is 3 : 4 : 6 : 7. Half the second largest angle of the quadrilateral is equal to

the smaller angle of a parallelogram. What is the value of adjacent angle of the parallelogram?

[www.competoid.com]

- (a) 136° (b) 126°
(c) 94° (d) 96° @@

Answer: $126^\circ, 126^\circ$

The ratio between the angles of a quadrilateral is 7 : 2 : 5 : 6 respectively. What is the sum of double the smallest angle and half the largest angle of the quadrilateral?

[www.competoid.com]

- (a) 162° (b) 198°
(c) 99° (d) 135° @@

Answer: $135^\circ, 135^\circ$

The ratio between the number of passengers travelling by I and II classes between the two railway stations is 1 : 50, whereas the ratio of I and II classes fares between the same stations is 3 : 1. If on a particular day, Rs.1325 were collected from the passengers travelling between these stations, then what was the amount collected from the II class passengers?

[www.competoid.com]

- (a) Rs.750 (b) Rs.1000
(c) Rs.850 (d) Rs.1250 @@

Answer: Rs.1250

The ratio between the present ages of A and B is 2 : 3 respectively. B's age sixteen years hence will be twice of A's age four years hence. What is the difference between the present ages of A and B?

[www.competoid.com]

- (a) 6 years (b) 12 years
(c) 8 years (d) 4 years @@

Answer: 8 years

The ratio between the present ages of A and B is 2 : 3 respectively. B's age twenty one years hence will be twice of A's age six years hence. What is difference between the present ages of A and B?

[www.examveda.com] [www.competoid.com]

- (a) 15 years (b) 9 years
(c) 8 years (d) 10 years @@

Answer: 9 years

The ratio between the three angles of a quadrilateral is 1 : 4 : 5 respectively. The value of the fourth angle of the quadrilateral

is 60°60°. What is the difference between the value of the largest and the smallest angles of the quadrilateral?

[www.competoid.com]

- (a) 120° (b) 90°
(c) 110° (d) 100° C @@

Answer: 120°120°

The ratio between the three angles of a quadrilateral is 1 : 6 : 2 respectively. The value of the fourth angle of the quadrilateral is 45°. What is the difference between the value of the largest and the smallest angles of the quadrilateral?

[www.competoid.com]

- (a) 165° (b) 140°
(c) 175° (d) 150° @@

Answer: 175°175°

The ratio between the three angles of a quadrilateral is 13 : 9 : 5 respectively. The value of the fourth angle of the quadrilateral is 36° C. What is the difference between the largest and the second smallest angles of the quadrilateral?

[www.competoid.com]

- (a) 104° (b) 108°
(c) 72° (d) 95° @@

Answer: 95°95°

The ratio between two numbers is 2 : 3. If each number is increased by 4, the ratio between them becomes 5 : 7, the difference between the numbers is

[www.competoid.com]

- (a) 8 (b) 6
(c) 4 (d) 2 @@

Answer: 8

The ratio between two numbers is 3 : 4. If each number is increased by 6, the ratio becomes 4 : 5. The difference between the numbers is

[www.competoid.com]

- (a) 1 (b) 3
(c) 6 (d) 8 @@

Answer: 6

The ratio between two numbers is 3 : 7. If the L.C.M of the two numbers is 147, then what are the two numbers?

[www.competoid.com]

- (a) 27 and 63 (b) 30 and 70
(c) 24 and 56 (d) 21 and 49 @@

Answer: 21 and 49

The ratio between two numbers is 3:4. If each number is increased by 5, the ratio becomes 4: 5. What are the numbers?

[www.competoid.com]

- (a) 16 and 24 (b) 18 and 27
(c) 15 and 20 (d) 14 and 21 @@

Answer: 15 and 20

The ratio between two numbers is 4 : 5. If their LCM is 240, find the number.

[www.competoid.com]

- (a) 48, 60 (b) 42, 52
(c) 34, 51 (d) 24, 72 @@

Answer: 48, 60

The ratio between two positive integers is 7 : 12. When a single digit positive even composite number is added to both the numerator and the denominator, the ratio becomes 2:3. What is the sum of the numerator and the denominator of the original fraction?

[www.competoid.com]

- (a) The numbers which are divisible by 19.
(b) the numbers which are divisible by 17.
(c) the numbers which are divisible by 13.
(d) the numbers which are divisible by 21. @@

Answer: The numbers which are divisible by 19.

The ratio in which a man must mix rice at Rs. 10.20 per kg and Rs. 14.40 per kg so as to make a mixture worth Rs. 12.60 per kg, is

[www.competoid.com]

- (a) 4 : 3 (b) 2 : 5
(c) 18 : 24 (d) 3 : 4 @@

Answer: 3 : 4

The ratio of 252.5 : 53 is same as = ?

[www.examveda.com]

- (a) 5 : 3 (b) 5 : 6
(c) 1 : 25 (d) 25 : 1 d

The ratio of age of two boys is 5 : 6. After two years the ratio will be 7 : 8. The ratio of their age after 12 years will be = ?

[www.competoid.com] [www.examveda.com]

- (a) $\frac{22}{24}$ (b) $\frac{15}{16}$
(c) $\frac{17}{18}$ (d) $\frac{11}{12}$ c

- ## The ratio of boys and girls in a college is 5 : 3. If 50 boys leave the college and 50 girls join the college, the ratio becomes 9 : 7. The number of boys in the college is

[www.competoid.com]

- (a) 300 (b) 450
(c) 500 (d) 600

@@

Answer: 500

- ## The ratio of copper and zinc in brass is 13 : 7. How much zinc will be there in 100 kg of brass?

[www.competoid.com]

- (a) 20 kg. (b) 55 kg
(c) 35 kg. (d) 40 kg

@@

Answer: 35 kg.

- ## The ratio of ducks and frogs in a pond is 37 : 39 respectively. The average number of ducks and frogs in the pond is 152. What is the number of frogs in the pond ?

[www.examveda.com]

- (a) 148 (b) 152
(c) 156 (d) 144

C

- ## The ratio of income of two persons is 5 : 3 and that of their expenditures is 9 : 5. If they save Rs. 2600 and Rs. 1800 respectively. Their incomes are :

- (a) Rs. 8000 : Rs. 4800 (b) Rs. 6000 : Rs. 3600
(c) Rs. 10000 : Rs. 6000 (d) Rs. 9000 : Rs. 5400

@@

Answer: Rs. 8000 : Rs. 4800

- ## The ratio of incomes of A and B is 5 : 6. If A gets Rs. 11,100 less than B, then their total income (in rupees) is

[www.competoid.com]

- (a) 9900 (b) 122100
(c) 14400 (d) 10000

@@

Answer: 122100

- ## The ratio of incomes of Pankaj and Gauri is 3 : 5 and the ratio of their expenditures is 2 : 3. Who does save more? (You have to assume that no one takes any loan from anywhere)

[www.lofoya.com]

- (a) Pankaj (b) Gauri
(c) Both save equally (d) Depends upon the incomes of Pankaj and Gauri

b

- ## The ratio of marks obtained by Vinod and Basu is 6 : 5. If the combined average of their percentage is 68.75 and their sum of the

marks is 275, find the total marks for which exam was conducted.

[www.lofoya.com]

- (a) 150 (b) 200
(c) 400 (d) None

b

- ## The ratio of milk to water in 80 litres of a mixture is 7 : 3. The water (in litres) to be added to it to make the ratio 2 : 1 is -

[www.examveda.com]

- (a) 4 (b) 5
(c) 6 (d) 8

a

- ## The ratio of milk to water in three containers of equal capacity is 3 : 2, 7 : 3 and 11 : 4 respectively. The contents of the three containers are mixed together. What is the ratio of milk to water after mixing ?

[www.examveda.com]

- (a) 19 : 4 (b) 7 : 3
(c) 61 : 29 (d) 41 : 18

C

- ## The ratio of monthly income of A and B is 6 : 5 and their expenditure are in the ratio of 4 : 3. If each of them saves Rs. 400 per month, find the sum of their monthly incomes ?

[www.competoid.com] [www.examveda.com]

- (a) Rs. 2300 (b) Rs. 2400
(c) Rs. 2200 (d) Rs. 2500

C

- ## The ratio of number of balls in bags x,y is 2 : 3. Five balls are taken from bag y and are dropped in bag x, number of balls are equal in each bag now. Number of balls in each bag now is

[www.competoid.com]

- (a) 45 (b) 20
(c) 30 (d) 25

@@

Answer: 25

- ## The ratio of number of boys to the number of girls in a school of 432 pupils is 5 : 4. When some new boys and girls are admitted, the number of boys increase by 12 and the ratio of the boys to girls changes to 7 : 6. The number of new girls admitted is

[www.competoid.com]

- (a) 12 (b) 14
(c) 24 (d) 20

@@

Answer: 24

- ## The ratio of present ages of P and Q is 8 : 5. After 4 years their ages will be in the ratio 4 : 3 respectively. What will be the ratio of P's age after 7 years from now and Q's age now?

[www.competoid.com]

- (a) 3 : 2 (b) 1 : 2
(c) 2 : 1 (d) 3 : 1 @@

Answer: 3 : 1

The ratio of squares of first n natural numbers to square of sum of first n natural numbers is 17 : 325. The value of n is:

[www.lofoya.com]

- (a) 15 (b) 25
(c) 35 (d) 40 (b)

The ratio of successful and unsuccessful examinees in an examination in a school is 6 : 1. The ratio would have been 9 : 1 if 6 more examinees had been Successful. The total number of examinees are

[www.competoid.com]

- (a) 140 (b) 120
(c) 200 (d) 160 @@

Answer: 140

The ratio of the age of a father and son is 17 : 7 respectively. 6 years ago the ratio of their age was 3 : 1 respectively. What is the father's present age?

[www.competoid.com]

- (a) 64 yrs (b) 51 yrs
(c) 48 yrs (d) Cannot be determined @@

Answer: 51 yrs

The ratio of the age of a father to that of his son is 5 : 2. If the product of their age in years is 1000, then the father's age (in years) after 10 years will be:

[www.competoid.com]

- (a) 50 (b) 60
(c) 80 (d) 100 @@

Answer: 60

The ratio of the age of Ram and Rahim 10 years ago was 1 : 3. The ratio of their age five years hence will be 2 : 3. Then the ratio of their present age is

[www.competoid.com]

- (a) 1 : 2 (b) 3 : 5
(c) 3 : 4 (d) 2 : 5 @@

Answer: 3 : 5

The ratio of the age of the father and the son at present is 7 : 1. After 4 yr, the ratio will become 4 : 1. What is the sum of the present age of the father and the son?

[www.competoid.com]

- (a) 29 yr (b) 35 yr
(c) 32 yr (d) 36 yr @@

Answer: 32 yr

The ratio of the age of Tina and Rakesh is 9 : 10 respectively. Ten years ago the ratio of their age was 4 : 5 respectively. What is the present age of Rakesh?

[www.competoid.com]

- (a) 25 years (b) 20 years
(c) 30 years (d) 24 years @@

Answer: 20 years

The ratio of the ages of a father to that of his son is 5 : 2. If the product of their ages (in years) is 1000, then find the father's age after 10 yr.

[www.competoid.com]

- (a) 50 yr (b) 60 yr
(c) 80 yr (d) 100 yr @@

Answer: 60 yr

The ratio of the ages of two persons is 4 : 7 and the age of one of them is greater than that of the other by 30 years. The sum of their ages (in years) is = ?

[www.competoid.com] [www.examveda.com]

- (a) 110 (b) 100
(c) 70 (d) 40 (a)

The ratio of the first and second class train fares between two stations is 3 : 1 and that of the numbers of passengers travelling between the two stations by first and second classes is 1 : 50. If on a particular day, Rs. 1,325 are collected from passengers travelling between the two stations. Then the amount collected from the second class passengers is

[www.competoid.com]

- (a) Rs. 1,250 (b) Rs. 1,000
(c) Rs. 850 (d) Rs. 750 @@

Answer: Rs. 1,250

The ratio of the income of A and B as well as B and C is 3 : 2. If one - third of A's income exceeds one - fourth of C's income by Rs. 1000, what is B's income in Rs = ?

[www.competoid.com] [www.examveda.com]

- (a) Rs. 3000 (b) Rs. 2500
(c) Rs. 3500 (d) Rs. 4000 (a)

The ratio of the income to the expenditure of a family is 10 : 7. If the family's expenses are Rs. 10,500, then savings of the family is

[www.competoid.com]

- (a) Rs. 4,500 (b) Rs. 10,000
(c) Rs. 4,000 (d) Rs. 5,000 @@

Answer: Rs. 4,500

The ratio of the length of a school ground to its width is 5 : 2. If the width is 40m, then the length is = ?

[www.competoid.com] [www.examveda.com]

- (a) 200m (b) 100m
(c) 50m (d) 80m **(b)**

The ratio of the number of boys and girls in a college is 7 : 8. If the percentage increase in the number of boys and girls be 20% and 10% respectively, what will be the new ratio?

[www.lofoya.com] [www.examveda.com] [www.indiabix.com]

- (a) 8 : 9 (b) 17 : 18
(c) 21 : 22 (d) Cannot be determined **(c)**

The ratio of the number of boys and girls in a school is 3 : 2. If 20% of the boys and 25% of the girls are scholarship holders, the percentage of the school students who are not scholarship holders is

[www.competoid.com]

- (a) 56 (b) 78
(c) 70 (d) 80 **(a)**

Answer: 78

The ratio of the number of boys and that of girls in a school having 504 students is 13 : 11. What will be the new ratio if 3 , more girls are admitted ?

[www.competoid.com]

- (a) 7 : 6 (b) 6 : 7
(c) 10 : 11 (d) 13 : 14 **(a)**

Answer: 7 : 6

The ratio of the number of ladies to that of gents at a party was 3 : 2. When 20 more gents joined the party, the ratio was reversed. The number of ladies present at the party was -

[www.competoid.com] [www.examveda.com]

- (a) 16 (b) 24
(c) 32 (d) 36 **(b)**

The ratio of the number of students studying in school A, B and C is 5 : 8 : 4 respectively. If the number of students studying in each of the school is increased by 20%, 25% and 30% respectively, what will be the new respective ratio of the students in school A, B and C?

[www.competoid.com]

- (a) 13 : 25 : 15 (b) 20 : 25 : 13

- (c) 15 : 25 : 13 (d) Cannot be determined

@@

Answer: 15 : 25 : 13

The ratio of the number of students studying in school A, B and C is 5 : 6 : 8. If the number of students in each of the schools is increased by 30%, 25% and 25% respectively, what will be the new ratio of the students in schools A, B and C?

[www.competoid.com]

- (a) 14 : 15 : 20 (b) 13 : 15 : 20
(c) 13 : 14 : 15 (d) 15 : 17 : 19 **(a)**

Answer: 13 : 15 : 20

The ratio of the present age of Mahesh and Ajay is respectively 3 : 2. After 8 years, ratio of their age will be 11 : 8. What will be the present age of Mahesh's son if his age is half of the present age of Ajay?

[www.competoid.com]

- (a) 12 years (b) 24 years
(c) 18 years (d) 9 years **(a)**

Answer: 12 years

The ratio of the present age of Meena and Fiona is 16 : 13 respectively. Four years ago the respective ratio of their age was 14 : 11. What will be Fiona's age four years from now?

[www.competoid.com]

- (a) 28 years (b) 32 years
(c) 26 years (d) None of these **(a)**

Answer: None of these

The ratio of the present age of Puneet and Appu is 2 : 3. After 3 years the ratio of their age will be 3 : 4. The present age of Puneet is:

[www.competoid.com]

- (a) 3 years (b) 6 years
(c) 9 years (d) 4 years **(a)**

Answer: 6 years

The ratio of the present ages of son, mother, father and grand father in a family is 2:7:8:12 respectively. The average present age of son and mother is 27 years. What will be mother's age 7 years hence?

[www.competoid.com]

- (a) 63 years (b) 48 years
(c) 49 years (d) 79 years **(a)**

Answer: 49 years

The ratio of the radii of the taps T1 and T2 is 2 : 1. Water flowing through them with the

same velocity. What is the ratio of the time required to completely fill two identical drums kept under T1 and T2.

[www.competoid.com]

- (a) 2 : 1 (b) 1 : 2
(c) 4 : 1 (d) 1 : 4

@@

Answer: 1 : 4

The ratio of the volume of water and glycerine in 240cc of mixture is 1 : 3. The quantity of water (in cc) that should be added to the mixture so that the new ratio of the volumes of water and glycerine becomes 2 : 3 is.

[www.competoid.com]

- (a) 55 cc (b) 60 cc
(c) 62.5 cc (d) 64 cc

@@

Answer: 60 cc

The ratio of two numbers is 10 : 7 and their difference is 105. The sum of these numbers is

[www.competoid.com]

- (a) 595 (b) 805
(c) 1190 (d) 1610

@@

Answer: 595

The ratio of two numbers is 3 : 4 and their LCM is 48. The sum of the two numbers is

[www.competoid.com]

- (a) 32 (b) 28
(c) 26 (d) 24

@@

Answer: 28

The ratio of two numbers is 3 : 8 and their difference is 115. The smaller of the two numbers is:

[www.competoid.com]

- (a) 184 (b) 194
(c) 69 (d) 59

@@

Answer: 69

The ratio of urea and potash in a mixed fertilizer is 7 : 3. Express the quantity of urea present as percentage of the total amount of fertilizer.

[www.examveda.com]

- (a) 20% (b) 50%
(c) 60% (d) 70%

(d)

The ratio of water and milk in a 30 liter mixture is 7 : 3. Find the quantity of water to be added to the mixture in order to make this ratio 6 : 1.

[www.examveda.com]

- (a) 30 (b) 32

- (c) 33 (d) 35 (c)

The ratio of weekly income of A and B is 9 : 7 and the the ratio of their expenditure is 4 : 3. If each saves Rs. 200 per week, then the sum of their weekly income is = ?

[www.competoid.com] [www.examveda.com]

- (a) Rs. 3600 (b) Rs. 3200
(c) Rs. 4800 (d) Rs. 5600

(b)

The ratio of $25^{2.5} : 5^3$ is same as

[www.competoid.com]

- (a) 5 : 3 (b) 5 : 6
(c) 1 : 25 (d) 25 : 1

@@

Answer: 25 : 1

The respective ratio between present age of Manoj and Wasim is 3 : 11. Wasim is 12 years younger than Rehana. Rehana's age after 7 years will be 85 years. What is the present age of Manoj's father who is 25 years older than Manoj?

[www.competoid.com]

- (a) 43 years (b) 67 years
(c) 45 years (d) 69 years

@@

Answer: 43 years

The respective ratio between the present age Aarti and Savita is 5 : x. Aarti is 9 years younger than Jahnvi. Jahnvi's age after 9 years will be 33 years. The difference between Savita's and Aarti's age is same as the present age of Jahnvi. What will come in place of x?

[www.competoid.com]

- (a) 21 (b) 37
(c) 17 (d) None of these

@@

Answer: None of these

The respective ratio between the present age of Ram and Rakesh is 6 : 11. Four years ago the ratio of their age was 1 : 2 respectively. What will be Rakesh's age after five years?

[www.competoid.com]

- (a) 45 years (b) 29 years
(c) 49 years (d) Cannot be determined

@@

Answer: 49 years

The respective ratio between the present age of Ram, Rohan and Raj is 3 : 4 : 5, If the average of their present age is 28 years then what would be the sum of the age of Ram and Rohan together after 5 years?

[www.competoid.com]

- (a) 45 years (b) 55 years

- (c) 52 years (d) 59 years @@

Answer: 59 years

The respective ratio between the present age of son, mother, father and grandfather is 2 : 7 : 8 : 12. The average age of son and mother is 27 years. What will be mother's age after 7 years?

[www.competoid.com]

- (a) 40 years (b) 41 years
(c) 48 years (d) 49 years @@

Answer: 49 years

The respective ratio of present ages of Shruti and Nitin is 3 : 4. The ratio of Nitin's age two years hence and the present age of Vinod is 2 : 3. The ratio of Shruti's age three years hence and Vinod's present age is 3 : 5. What is Shruti's present age?

[www.competoid.com]

- (a) 8 years (b) 5 years
(c) 9 years (d) 6 years @@

Answer: 6 years

The respective ratio of the present age of a mother and daughter is 7 : 1. Four years ago the respective ratio of their age was 19 : 1. What will be the mother's age four years from now?

[www.competoid.com]

- (a) 42 years (b) 38 years
(c) 46 years (d) 36 years @@

Answer: 46 years

The respective ratio of the present age of Swati and Trupti is 4 : 5. Six years hence the respective ratio of their age will be 6 : 7. What is the difference between their age?

[www.competoid.com]

- (a) 2 years (b) 3 years
(c) 4 years (d) Cannot be determined @@

Answer: 3 years

The salaries of A, B and C are in the ratio 1 : 3 : 4. If the salaries are increased by 5%, 10% and 15% respectively, then the increased salaries will be in the ratio

[www.competoid.com] [www.examveda.com]

- (a) 20 : 66 : 95 (b) 21 : 66 : 96
(c) 21 : 66 : 92 (d) 19 : 66 : 92 (c)

The sides of a triangle are in the ratio of 7 : 9 : 12. The difference between the length of largest and smaller sides is 15 c.m. The

length of the largest sides would be = ?

[www.competoid.com] [www.examveda.com]

- (a) 36 cm (b) 12 cm
(c) 60 cm (d) 24 cm (a)

The smallest integer, which subtracted from both the terms of 6 : 7 gives a ratio less than 16 : 21 is :

[www.competoid.com]

- (a) 5 (b) 4
(c) 3 (d) 2 @@

Answer: 3

The speeds of three cars are in the ratio of 2 : 3 : 4. Find the ratio between the time taken by these cars to cover the same distance.

[www.competoid.com]

- (a) 2:3:4 (b) 4:3:2
(c) 4:3:6 (d) 6:4:3 @@

Answer: 6:4:3

The students in three classes are in the ratio 2 : 3 : 5. If 20 students are increased in each class, the ratio changes to 4 : 5 : 7. originally the total number of students was

[www.competoid.com]

- (a) 50 (b) 90
(c) 100 (d) 150 @@

Answer: 100

The students in three classes are in the ratio 4 : 6 : 9. If 12 students are increased in each class the ratio changes to 7 : 9 : 12. Then the total number of students in the three classes before the increase is

[www.examveda.com] [www.competoid.com]

- (a) 95 (b) 76
(c) 100 (d) 114 @@

Answer: 76

The students of three classes are in the ratio 3 : 4 : 5. If 15 students are increased in each class, then ratio changes to 6 : 7 : 8. The total number of students before the increase was

[www.competoid.com]

- (a) 70 (b) 90
(c) 120 (d) 60 @@

Answer: 60

The sum of present ages of Ria and Abby is 48 years. Today Abby is 4 years older than Shweta. The respective ratio of the present ages of Ria and Shweta is 4 : 7. What was Abby's age two years ago?

[www.competoid.com]

- (a) 32 years (b) 30 years

(c) 28 years (d) 34 years @@
Answer: 30 years

The sum of Shilpa's age after 4 years and Raghu's age 4 years ago is 63 years and the respective ratio between the Shilpa's age four years ago and Raghu's age after 3 years is 10 : 21. What is Shilpa's present age? (in years)
[www.competoid.com]

(a) 25 (b) 34
(c) 24 (d) 28 @@

Answer: 24

The sum of the ages of three friends is 81. Four years earlier the sum of their ages was in the ratio of 6 : 8 : 9. What is the present age of the oldest amongst them?
[www.competoid.com]

(a) 58 Years (b) 49 Years
(c) 40 Years (d) 31 Years @@

Answer: 31 Years

The sum of the three consecutive odd numbers is 285. What is the ratio of the smallest and largest numbers respectively?
[www.competoid.com]

(a) 97 : 95 (b) 93 : 95
(c) 95 : 93 (d) 93 : 97 @@

Answer: 93 : 97

The sum of three numbers is 136. If the ratio between first and second be 2 : 3 and that between second and third be 5 : 3, then the second number is:
[www.competoid.com]

(a) 40 (b) 48
(c) 52 (d) 60 @@

Answer: 60

The sum of two numbers is 40 and their difference is 4. The ratio of the numbers is = ?
[www.examveda.com] [www.examveda.com]

(a) 21 : 19 (b) 22 : 9
(c) 11 : 9 (d) 11 : 18 ©

The sum of $\frac{1}{5}$ th of the number 25% of another number is equal to 40% of the first number. What is the ratio of first number and the second number ?
[www.competoid.com]

(a) 4 : 3 (b) 5 : 2
(c) 5 : 4 (d) 6 : 5 @@

Answer: 5 : 4

The third proportional of 0.8 and 0.2 is:

[www.competoid.com]

(a) 0.05 (b) 0.8
(c) 0.4 (d) 0.032 @@

Answer: 0.05

The third proportional of 12 and 18 is

[www.competoid.com]

(a) 3 (b) 6
(c) 27 (d) 144 @@

Answer: 27

The three successive angles of a cycle quadrilateral are in the ratio 1 : 3 : 4, find the measure of the fourth angle ?

[www.examveda.com] [www.competoid.com]

(a) 72° (b) 30°
(c) 36° (d) 108° a

The total cost for the journey at this most economical speed is :

[www.lofoya.com]

(a) Rs 6,000 (b) Rs 8,000
(c) Rs 10,000 (d) Rs 11,000 b

The total marks obtained by Arun in English and Mathematics are 170. If the difference between his marks in these two subjects is 10. Then the ratio of his marks in these subjects is

[www.competoid.com]

(a) 7 : 8 (b) 8 : 7
(c) 9 : 8 (d) 9 : 7 @@

Answer: 9 : 8

The total number of students in a School is 8670. If the number of boys in the school is 4545, then what Will be ratio of the total number of boys to the total number of girls in the school?

[www.competoid.com]

(a) 303 : 275 (b) 275 : 303
(c) 11 : 12 (d) 12 : 11 @@

Answer: 303 : 275

The total surface area of a solid iron cube and a solid aluminium cuboid are the same. The length, breadth and height of the cuboid are in the ratio 1:2:4. Both are melted together in a vessel. What is the ratio of iron and aluminium in the resultant mixture?
[www.lofoya.com]

(a) $\left(\frac{14}{3}\right)^{\frac{3}{2}} : 8$ (b) $8 : \left(\frac{14}{3}\right)^{\frac{3}{2}}$

(c) $\left(\frac{3}{14}\right)^{\frac{3}{2}} : 8$
 (d) $8 : \left(\frac{3}{14}\right)^{\frac{3}{2}}$
(a)

- ## The total weight of Sanjay and Suresh is 120 kg. If Sanjay weight 30 kg more than Suresh, then what is the ratio of the weight of Suresh to that of Sanjay?

[www.competoid.com]

- (a) 0.4
 (b) 0.6
 (c) 0.3
 (d) 0.25
 @@

Answer: 0.6

- ## The two numbers are in the ratio 2 : 3 and their product is 96. The sum of the numbers is

[www.competoid.com]

- (a) 5
 (b) 20
 (c) 101
 (d) 102
 @@

Answer: 20

- ## The value of a quantity 'y' varies as the sum of two quantities. One varies directly as 'x' and the other inversely as 'x'. When $x = 1$, $y = 7$ and when $x = 2$, $y = 8$. What is the equation that represents the relation between 'x' and 'y'?

[www.competoid.com]

- (a) $y = 3x + \frac{3}{x}$
 (b) $y = 3x + \frac{4}{x}$
 (c) $y = 3x + \frac{5}{x}$
 (d) $y = 3x + \frac{6}{x}$
 @@

Answer: $y = 3x + \frac{4}{x}$

- ## The weight of Mr. Gupta and Mrs. Gupta are in the ratio 7 : 8 and their total weight is 120 kg. After taking a dieting course Mr. Gupta reduces by 6 kg and the ratio between their weights change to 5 : 6, so Mrs. Gupta has reduced by = ?

[www.competoid.com] [www.examveda.com]

- (a) 2 kg
 (b) 4 kg
 (c) 3 kg
 (d) 5 kg
 (b)

- ## There are 336 boys in four classes of a school. The ratio between VI and VII standard is 8 : 9, that between VII and VIII is 3 : 4 and between VIII and IX is 12 : 13. Calculate the number of boys in each class. What is the strength of standard IX.

[www.competoid.com]

- (a) 96
 (b) 104
 (c) 82
 (d) 64
 @@

Answer: 104

- ## There are 480 coins of half rupees, quarter rupees and 10 paise coins and their values are proportional to 5 : 3 : 1. The number of coins in each case are

[www.competoid.com]

- (a) 100, 200, 180
 (b) 50, 30, 400
 (c) 150, 180, 150
 (d) 300, 90, 90
 @@

Answer: 150, 180, 150

- ## There are certain numbers of toys in the box. They are divided into such a way that the person who gets $\frac{1}{4}$ of the whole gets thrice of what the others get on an average. Find the number of people amongst whom the toys are distributed?

[www.lofoya.com]

- (a) 8
 (b) 10
 (c) 12
 (d) 9
 (b)

- ## There are three bottles of mixture of syrup and water of ratio 2 : 3, 3 : 4, 7 : 5. 10 Litres of first and 21 Litres of second bottles are taken. How much quantity from third bottles is to be taken so that final mixture from three bottles will be of ratios 1 : 1

[www.competoid.com]

- (a) 25 Litres
 (b) 20 Litres
 (c) 35 Litres
 (d) 30 Litres
 @@

Answer: 30 Litres

- ## There are three numbers A, B, C such that twice A is Equal to thrice B and four times B is equal to five times C, Then the ratio between A and C is

[www.examveda.com] [www.competoid.com]

- (a) 3 : 4
 (b) 8 : 15
 (c) 15 : 8
 (d) 4 : 3
 @@

Answer: 15 : 8

- ## There are two containers of equal capacity. The ratio of milk to water in the first container is 3 : 1 and in the second container is 5 : 2. If they are mixed up, the ratio of milk to water in the mixture will be

[www.competoid.com]

- (a) 28 : 41
 (b) 41 : 28
 (c) 15 : 41
 (d) 41 : 15
 @@

Answer: 41 : 15

- ## There is 81 litres pure milk in a container. One-third of milk is replaced by water in the container. Again one-third of mixture is extracted and equal amount of water is added. What is the ratio of milk to water in

the new mixture ?

- (a) 1 : 2 (b) 1 : 1
(c) 2 : 1 (d) 4 : 5

[www.competoid.com]

@@

Answer: 4 : 5

There was a science exhibition in an auditorium. On the first day 14 persons visited the exhibition. On the second day 12 persons and on the third day only 10 persons visited the exhibition. The ratio of admission fees collected from each of them on these days was 2 : 3 : 5 respectively. If the total amount collected on these three days was Rs.4560, what amount was collected on the first day?

- (a) Rs.1120 (b) Rs.1140
(c) Rs.1150 (d) Rs.1160

[www.competoid.com]

@@

Answer: Rs.1120

Three beakers have capacity of 250ml, 650ml and 200ml. 682 ml of Juice is poured into them so that the same fraction of each is filled. The volume filled in the largest beaker will be:

- (a) 415 ml (b) 403 ml
(c) 400 ml (d) 424 ml

[www.lofoya.com]

(b)

Three containers have their volumes in the ratio 3 : 4 : 5. They are full of mixtures of milk and water. The mixtures contain milk and water in the ratio of (4 : 1), (3 : 1) and (5 : 2) respectively. The mixture of all these three containers are poured into a fourth container. The ratio of milk and water in the fourth container is = ?

- (a) 4 : 1 (b) 151 : 48
(c) 157 : 53 (d) 5 : 2

[www.examveda.com] [www.competoid.com]

(c)

Three film producers A, B and C, together rent a studio in Canada to produce their respective movies for a month at a total cost of Rs.138,000. 'A' uses the studio for 6 hours a day for 14 days, 'B' uses the studio for 12 hours a day for 4 days and 'C' uses the studio for 8 hours a day for 18 days. How much should 'B' pay for using the facilities?

- (a) Rs.36,000 (b) Rs.24,000
(c) Rs.48,000 (d) Rs.12,000

[www.competoid.com]

@@

Answer: Rs.24,000

Three numbers are in the ratio $\frac{1}{2} : \frac{2}{3} : \frac{3}{4}$. The difference between the greatest and the smallest number is 36. The numbers are

[www.competoid.com]

- (a) 72, 84, 108 (b) 60, 72, 96
(c) 72, 84, 96 (d) 72, 96, 108

@@

Answer: 72, 96, 108

Three numbers are in the ratio 3 : 4 : 5. The sum of the largest and the smallest equals to the sum of the second number and 52. The smallest number is = ?

[www.examveda.com] [www.competoid.com]

- (a) 20 (b) 27
(c) 39 (d) 52

(c)

Three numbers are in the ratio 5 : 6 : 7. If the product of the numbers is 5670, then the greatest number is

[www.competoid.com]

- (a) 15 (b) 18
(c) 21 (d) 28

@@

Answer: 21

Three numbers are in the ratio 5 : 7 : 12. If the sum of the first and the third is greater than the second by 50. The sum of the three numbers is = ?

[www.examveda.com] [www.competoid.com]

- (a) 125 (b) 120
(c) 95 (d) 85

(b)

Three numbers are in the ratio of 3 : 2 : 5 and the sum of their squares is 1862. The smallest of these numbers is

[www.competoid.com]

- (a) 24 (b) 21
(c) 14 (d) 35

@@

Answer: 14

Three persons walk from place A to place B. Their speeds are in the ratio 4 : 3 : 5. The ratio of the time taken by them to reach B will be :

[www.competoid.com]

- (a) 10 : 15 : 13 (b) 2 : 3 : 4
(c) 15 : 20 : 12 (d) 16 : 18 : 15

@@

Answer: 15 : 20 : 12

Three women A, B and C meet for a meal and share the expenses (in cash and in kind) equally. A gives 3 cakes, B gives 5 cakes and as C does not have any cakes, she gives Rs.8 to A and B in exchange for her share. How

much money should A get out of Rs.8?

[www.competoid.com]

- (a) Re.3 (b) Rs.1
(c) Rs.5 (d) Rs.7 @@

Answer: Rs.1

Three years ago, Raj's age was equal to the sum of the present ages of his only son and only daughter. Three years ago, the respective ratio between the ages of his daughter and his son that time was 12:13. If Raj's wife is 5 years younger to him and her present age is twice the present age of their daughter, what is the present age of their son? (in years)

[www.competoid.com]

- (a) 27 years (b) 24 years
(c) 29 years (d) 25 years @@

Answer: 25 years

Three-fourth of a number is equal to 60% of another number. What is the difference between the numbers?

[www.competoid.com]

- (a) 18 (b) 32
(c) 24 (d) Cannot be determined @@

Answer: Cannot be determined

Tom is chasing Jerry. In the same interval of time Tom jumps 8 times while Jerry jumps 6 times. But the distance covered by Tom in 7 jumps is equal to the distance covered by Jerry in 5 jumps. The ratio of speed of Tom and Jerry is:

[www.examveda.com] [www.competoid.com]

- (a) 48 : 35 (b) 28 : 15
(c) 24 : 20 (d) 20 : 21 d

Total expenses on travel, lodging and boarding spent by a family during a summer vacation was Rs.2500. If Rs.30, Rs.55 and Rs.15 were deducted from the amounts spent on travel, lodging and boarding respectively, then the ratio of the expenses on these heads would be 12 : 17 : 11 respectively. How much was spent on travel, lodging and boarding during the summer vacation?

[www.competoid.com]

- (a) Rs.750, Rs.1075 and Rs.675 (b) Rs.630, Rs.905 and Rs.565
(c) Rs.510, Rs.735 and Rs.455 (d) Rs.390, Rs.565 and Rs.345 @@

Answer: Rs.750, Rs.1075 and Rs.675

Total number of men, women and children working in a factory is 18. They earn Rs. 4000 in a day. If the sum of the wages of all men, all women and all children is in ratio of 18 : 10 : 12 and if the wages of an individual man, woman and child is in ratio 6 : 5 : 3, then how much a woman earn in a day?

[www.examveda.com]

- (a) Rs. 120 (b) Rs. 150
(c) Rs. 250 (d) Rs. 400
(e) None of these c

Twenty five percent of Pranab's annual salary is equal to eighty percent of Surya's annual salary. Surya's monthly salary is forty percent of Dheeru's monthly salary. If Dheeru's annual salary is Rs.6 lacs, what is Pranab's monthly salary? (At some places annual income and at some place monthly income are given)

[www.competoid.com]

- (a) Rs.7.68 lacs (b) Rs.56,000
(c) Rs.8.4 lacs (d) Rs.64,000 @@

Answer: Rs.64,000

Two alloys both are made up of copper and tin. The ratio of the copper and tin in the first alloy is 1 : 3 and in the second alloy is 2 : 5. In what ratio should the two alloys be mixed to obtain a new alloy in which the ratio of tin and copper be 8 : 3 ?

[www.examveda.com] [www.competoid.com]

- (a) 3 : 5 (b) 4 : 7
(c) 3 : 8 (d) 5 : 11 b

Two alloys contain tin and iron in the ratio of 1 : 2 and 2 : 3. If the two alloys are mixed in the proportion of 3 : 4 respectively (by weight), the ratio of tin and iron in the newly formed alloy is = ?

[www.examveda.com] [www.competoid.com]

- (a) 14 : 25 (b) 10 : 21
(c) 12 : 23 (d) 13 : 22 d

Two bottles contain acid and water in the ratio 2 : 3 and 1 : 2 respectively. These are mixed in the ratio 1 : 3. What is the ratio of acid and water in the new mixture = ?

[www.competoid.com] [www.examveda.com]

- (a) 7 : 13 (b) 11 : 57
(c) 23 : 37 (d) 1 : 3 a

Two cogged wheels of which one has 32 cogs and other 54 cogs, work into each other. If the latter turns 80 times in three quarters of

a minute, how often does the other turn in 8 seconds?

- (a) 48 (b) 24
(c) 38 (d) None of these

[www.lofoya.com]

Two cones have their heights in the ratio 1 : 4 and the radii of their bases are in the ratio 3 : 1. The ratio of their volume is

[www.competoid.com]

- (a) 1 : 3 (b) 3 : 1
(c) 1 : 2 (d) 2 : 1

@@

Answer: 3 : 1

Two cylinders of equal volumes have their heights in the ratio 2 : 3. The ratio of their radii is

[www.competoid.com]

- (a) 1 : 3 (b) $\sqrt{3} - 2$
(c) $3 : \sqrt{2}$ (d) $\sqrt{3} - \sqrt{2}$

@@

Answer: $3 - \sqrt{2} - \sqrt{3} : 2$

Two equal glasses filled with alcohol and water in the proportions 2 : 1 and 3 : 2 are emptied into a third glass. The proportion of alcohol and water in the third glass will be

[www.competoid.com]

- (a) 13 : 17 (b) 19 : 17
(c) 13 : 11 (d) 19 : 11

@@

Answer: 19 : 11

Two equal vessels are filled with the mixtures of water and milk in the ratio of 3 : 4 and 5 : 3 respectively. If the mixtures are poured into a third vessel, the ratio of water and milk in the third vessel will be

[www.competoid.com]

- (a) 15 : 12 (b) 53 : 59
(c) 20 : 9 (d) 59 : 53

@@

Answer: 59 : 53

Two men, sitting on the dining table. One man has 7 eggs and other had 5 eggs. A third man passing by requested them to share their food in return for money. The three of them shared the eggs equally and the third traveller paid the other two a total of Rs 24. Find the difference between the amounts received by first two men?

[www.lofoya.com]

- (a) Rs 18 (b) Rs 12
(c) Rs 16 (d) Rs 15

(b)

Two numbers are in ratio 4 : 5 and their LCM is 180. The smaller number is

[www.examveda.com]

- (a) 9 (b) 15
(c) 36 (d) 45

(c)

Two numbers are in ratio 5 : 8. If their difference is 48, then the smallest number is

[www.competoid.com]

- (a) 64 (b) 80
(c) 96 (d) 128

@@

Answer: 80

Two numbers are in ratio 7 : 11. If 7 is added to each of the numbers, the ratio becomes 2 : 3. The smaller number is

[www.examveda.com]

- (a) 39 (b) 49
(c) 66 (d) 77

(b)

Two numbers are in ratio P : Q. when 1 is added to both the numerator and the denominator, the ratio gets changed to $\frac{R}{S}$. again, when 1 is added to both the numerator and denominator, it becomes $\frac{1}{2}$.

Find the sum of P and Q.

[www.examveda.com]

- (a) 3 (b) 4
(c) 5 (d) 6

(c)

Two numbers are in the ratio 2 : 3. If 9 is added to each number, they will be in the ratio 3 : 4. What is the product of the two numbers?

[www.competoid.com]

- (a) 360 (b) 480
(c) 486 (d) 512

@@

Answer: 486

Two numbers are in the ratio 3 : 5 and their LCM is 225. The smaller number is

[www.competoid.com]

- (a) 45 (b) 60
(c) 75 (d) 90

@@

Answer: 45

Two numbers are in the ratio 3 : 5. If 6 is added to both of them, the ratio becomes 2 : 3. The numbers are = ?

[www.examveda.com] [www.competoid.com]

- (a) 21 and 35 (b) 30 and 50
(c) 24 and 40 (d) 18 and 30

(d)

Two numbers are in the ratio 3 : 5. If each number is increased by 10, the ratio becomes 5 : 7, The smaller number is

[www.competoid.com]

- (a) 9 (b) 12

- (c) 15 (d) 25 @@

Answer: 15

Two numbers are in the ratio 5 : 7. On diminishing each of them by 40, they become in the ratio 17 : 27. The difference of the numbers is :

[www.competoid.com]

- (a) 18 (b) 52
(c) 137 (d) 50 @@

Answer: 50

Two numbers are in the ratio 9 : 4. If 7 is added to each of the number, the ratio becomes 5 : 3. Find the numbers.

[www.competoid.com]

- (a) 18, 8 (b) 36, 16
(c) 45, 20 (d) 63, 28 @@

Answer: 18, 8

Two numbers are in the ratio $1\frac{1}{2} : 2\frac{2}{3}$. When each of these is increased by 15, they become in the ratio. The greater of the numbers is = ?

[www.competoid.com] [www.examveda.com]

- (a) 27 (b) 36
(c) 48 (d) 64 (c)

Two numbers are such as the square of one is 224 less than 8 times the square of the other. If the numbers be in the ratio of 3 : 4 their values are

[www.competoid.com]

- (a) 12, 16 (b) 6, 8
(c) 9, 12 (d) 6, 9 @@

Answer: 6, 8

Two types of alloy possess gold and silver in the ratio of 7 : 22 and 21 : 37. In what ratio should these alloys be mixed so as to have a new alloy in which gold and silver would exist in the ratio 25 : 62 ?

[www.competoid.com]

- (a) 13 : 8 (b) 8 : 13
(c) 13 : 12 (d) 6 : 9 @@

Answer: 13 : 8

Two vessels A and B contain milk 8 : 5 and 5 : 2 respectively. The ratio in which these two mixtures be mixed to get a new mixture containing $69\frac{3}{1}\%$ milk is = ?

[www.examveda.com] [www.competoid.com]

- (a) 3 : 5 (b) 5 : 2
(c) 5 : 7 (d) 2 : 7 (d)

Two vessels A and B contain milk and water mixed in the ratio 4 : 3 and 2 : 3 respectively. The ratio in which these mixtures containing half milk and half water is = ?

[www.examveda.com]

- (a) 7 : 5 (b) 6 : 5
(c) 5 : 6 (d) 4 : 3 (a)

Two vessels A and B contain milk and water mixed in the ratio 4 : 3 and 2 : 3 respectively. The ratio in which these mixtures be mixed to form a new mixture containing half milk and half water is

[www.competoid.com]

- (a) 7 : 5 (b) 6 : 5
(c) 5 : 6 (d) 4 : 3 @@

Answer: 7 : 5

Vessels A and B contain mixtures of milk and water in the ratio 4 : 5 and 5 : 1 respectively. In what ratio should quantities of mixture be taken from A and B to form a mixture in which milk to water is in the ratio 5 : 4 ?

[www.competoid.com]

- (a) 2 : 5 (b) 4 : 3
(c) 5 : 2 (d) 2 : 3 @@

Answer: 5 : 2

Water in pipes varies inversely as the square of the radius of the pipes. What is the ratio of the rates of flow in 2 pipes of diameter 2 cm and 4 cm?

[www.competoid.com]

- (a) 1 : 2 (b) 2 : 1
(c) 1 : 8 (d) 4 : 1 @@

Answer: 4 : 1

Weekly incomes of two persons are in the ratio of 7 : 3 and their weekly expenses are in the ratio of 5 : 2. If each of them saves RS.300 per week, then the weekly income of the first person is

[www.competoid.com]

- (a) RS.7500 (b) RS.4500
(c) RS.6300 (d) RS.5400 @@

Answer: RS.6300

What is the least positive integer that when added to both the numerator and the denominator of the ratio 4 : 7 will make the ratio greater than 2 : 3?

[www.competoid.com]

- (a) 0.67 (b) 1
(c) 5 (d) 7 @@

Answer: 0.67

What is the mean proportional between $(15 + \sqrt{200})$ and $(27 - \sqrt{648})$?

[www.competoid.com]

- (a) 4 (b) $14\sqrt{7}$
(c) $3\sqrt{5}$ (d) $3\sqrt{8}$ @@

Answer: $35 - \sqrt{5}$

What is the ratio in Rs. 2.80 and 40 paise?

- (a) 1 : 7 (b) 2 : 7
(c) 7 : 1 (d) 1 : 14 C

What is the value of the least of the three numbers that are in the ratio of 4 : 3 : 7, if the sum of three numbers is 84?

[www.competoid.com]

- (a) 24 (b) 18
(c) 42 (d) 36 @@

Answer: 18

What must be added to each term of the ratio 7 : 11, So as to make it equal to 3 : 4?

[www.examveda.com] [www.competoid.com]

- (a) 8 (b) 7.5
(c) 6.5 (d) 5 d

What number has to be added to the terms 3 : 5 to make the ratio 5 : 6 ?

[www.examveda.com]

- (a) 6 (b) 7
(c) 12 (d) 13 b

What number must be added to each of 2, 16, 20, 52 so that the results are in proportion?

[www.competoid.com]

- (a) 19 (b) 14
(c) 12 (d) 13 @@

Answer: 12

What number must be added to each of the numbers 17, 25, 28, 58 such that the result will be in proportion?

[www.competoid.com]

- (a) -17 (b) -13
(c) -11 (d) -9 @@

Answer: -13

What number should be added to each of 6, 14, 18 and 38, so that the resulting numbers make a proportion?

[www.competoid.com]

- (a) 1 (b) 2
(c) 3 (d) 4 @@

Answer: 2

What number should be subtracted from both the terms of the ratio 11 : 15 so as to make it as 2 : 3 ?

[www.competoid.com]

- (a) 2 (b) 3
(c) 4 (d) 5 @@

Answer: 3

What sum of money is to be divided among 3 persons in the ratio 3 : 4 : 7, so that the second person receives RS. 12 only?

[www.competoid.com]

- (a) RS.21 (b) RS.32
(c) RS.9 (d) RS.42 @@

Answer: RS.42

What will be the simplest form of the ratio 3 hours : 1 day?

[www.examveda.com]

- (a) 1 : 3 (b) 1 : 6
(c) 1 : 8 (d) 1 : 25 C

When 30% of one number is subtracted from another number, the second number reduces to its own four-fifth. What is the ratio between the first and the second numbers respectively?

[www.competoid.com]

- (a) 4 : 7 (b) 3 : 2
(c) 2 : 5 (d) None of these @@

Answer: None of these

When a number is added to a second number, the sum is $333\frac{1}{3}$ percent of the second number. What is the ratio between the first number to the second number?

[www.competoid.com]

- (a) 3 : 7 (b) 7 : 4
(c) 7 : 3 (d) Data inadequate @@

Answer: 7 : 3

When X is subtracted from the numbers 9, 15 and 27, the remainders are in continued proportion. What is the value of X?

[www.competoid.com]

- (a) 8 (b) 6
(c) 4 (d) None of these @@

Answer: None of these

Which number when added to each of the numbers 6, 7, 15, 17 will make the resulting numbers proportional ?

[www.competoid.com]

- (a) 6 (b) 5
(c) 4 (d) 3 @@

Answer: 3

Which of the following is the lowest ratio ?

[www.examveda.com]

- (a) 7 : 15 (b) 15 : 23
(c) 17 : 25 (d) 21 : 39

a

Which of the following represents a correct proportion ?

[www.examveda.com] [www.competoid.com]

- (a) 12 : 9 :: 16 : 12 (b) 13 : 11 :: 5 : 4
(c) 30 : 45 :: 13 : 24 (d) 3 : 5 :: 2 : 5

a

'x' and 'y' enter into a partnership and invest Rs.650 and Rs.350 respectively. If they split half of the profit equally for their efforts and the balance in the ratio of their investments and x got 5180 more than y, what is the total profit?

[www.competoid.com]

- (a) Rs.1200 (b) Rs.2400
(c) Rs.3600 (d) Rs.4800

@@

Answer: Rs.1200

y varies directly as $(x + 3)$ and $y = 8$ when $x = 1$. What is the value of y when $x = 2$?

[www.examveda.com]

- (a) 6 (b) 10
(c) 12 (d) 16

b

Zinc and copper are in the ratio 5 : 3 in 400 gm of an alloy. How much of copper (in grams) should be added to make the ratio 5 : 4 ?

[www.competoid.com]

- (a) 50 gm (b) 66 gm
(c) 72 gm (d) 200 gm

@@

Answer: 50 gm

Zinc and Copper are in the ratio of 5 : 3 in 200 gm of an alloy. How much grams of copper be added to make the ratio as 3 : 5 ?

[www.competoid.com]

- (a) $133\frac{1}{3}$ (b) $\frac{1}{200}$
(c) 72 (d) 66

@@

Answer: 1331313313

14

Partnership

- ## 3 brothers divided 1620 among them in such a way that the share of second is equal to $\frac{5}{13}$ of share of other two, combined. What is the share of the second one ?

[www.examveda.com; www.competoid.com]

- (a) Rs. 1170 (b) Rs. 450
(c) Rs. 540 (d) Rs. 500 **(b)**

- ## A and B are two partners in a firm sharing the profit in the ratio 4 : 5. If the firm earns a profit of Rs. 14130, then profit to be received by B ?

[www.examveda.com; www.competoid.com]

- (a) Rs. 6280 (b) Rs. 7850
(c) Rs. 1570 (d) Rs. 3140 **(b)**

- ## A and B invest Rs. 3000 and Rs. 2400 respectively in a business. If after one year there is a loss Rs. 720, how much loss will B bear? (loss or profit is in proportion to their investment)

[www.examveda.com; www.competoid.com]

- (a) Rs. 72 (b) Rs. 320
(c) Rs. 400 (d) Rs. 360 **(b)**

- ## A and B started a business by investing Rs. 36000 and Rs. 45000 respectively. After 4 months B withdraws $\frac{4}{9}$ of his investment. Its

5 months after she again invested $\frac{1}{19}$ of its original investment. If the total earned profit at the end of the year, is Rs. 117240, then who will get more money as a share of profit and how much ?

[www.examveda.com; www.competoid.com]

- (a) Rs. 15500 (b) Rs. 12450
(c) Rs. 14245 (d) Rs. 13560 **(d)**

- ## A invested an amount of Rs. 25,000 and started a business. B joined him after one year with an amount of Rs. 30,000. After two years from starting the business, they earned the profit of Rs. 46,000. What will be B's share in the profit?

[www.competoid.com]

- (a) Rs. 14,000 (b) Rs. 12,000
(c) Rs. 17,250 (d) Rs. 20,000 **(a)**

Answer: Rs. 17,250

- ## A invests Rs.6000 in a business for a year. How much B should invest in order that the profit after one year may be divided in the ratio 3 : 5

[www.competoid.com]

- (a) Rs.7000 (b) Rs.10000
(c) Rs.18000 (d) Rs.30000 **(a)**

Answer: Rs.10000

- ## A starts business with a capital of Rs. 14,000, five months later B joins and further two months later C joins them. If the profit sharing ratio in the end of year is 4 : 3 : 2, then the money invested by C was:

[www.examveda.com; www.competoid.com]

- (a) Rs. 18,000 (b) Rs. 16,800
(c) Rs. 18,600 (d) Rs. 10,800 **(a)**

Answer: Rs. 16,800

- ## A starts business with Rs. 3500 and after 5 months, B joins with A as his partner. After a year, the profit is divided in the ratio 2 : 3. What is B's contribution in the capital?

[www.examveda.com; www.indiabix.com]

- (a) Rs. 7500 (b) Rs. 8000
(c) Rs. 8500 (d) Rs. 9000 **(d)**

- ## A, B and C enter into a partnership, investing Rs. 6000. A invests Rs. 1000 and B 2 : 3. Find the profit of C, when the annual profit is Rs. 2400 ?

[www.examveda.com; www.competoid.com]

- (a) Rs. 600 (b) Rs. 1200
(c) Rs. 1800 (d) Rs. 1950 **(b)**

- ## A, B and C invested Rs. 47000 for a business. If A subscribes Rs. 7,000 more than B and B Rs. 5,000 more than C, then out of total profit of Rs. 4700, C receives.

[www.examveda.com; www.competoid.com]

- (a) Rs. 1200 (b) Rs. 4500
(c) Rs. 1000 (d) None of these **(a)**

Answer: Rs. 1000

- ## A, B and C share profit in the ratio of $\frac{1}{4} : \frac{1}{6} :$

$\frac{7}{12}$. If C retires, they share the profit of C in the ratio of 4 : 5 respectively. The new profit sharing ratio of A and B will be :

[www.competoid.com]

- (a) 55 : 53 (b) 53 : 55
(c) 5 : 3 (d) 3 : 5 @@

Answer: 55 : 53

A, B and C share the profit in the ratio of 2 : 3 : 7. If the average gain is Rs. 8000, then B's share is ?

[www.examveda.com; www.competoid.com]

- (a) Rs. 2000 (b) Rs. 1000
(c) Rs. 1500 (d) Rs. 6000 @

A, B, C subscribes Rs.5100 for a business A subscribes Rs.900 more than B, B subscribes Rs.600 more than C. Out of total profit of Rs.1020, A receives.

[www.competoid.com]

- (a) Rs.500 (b) Rs.450
(c) Rs.400 (d) Rs.550 @@

Answer: Rs.500

Four milkmen rented a pasture. M put to graze 16 cows for 3 months and N 20 cows for 4 months, O 18 cows for 6 months and P 42 cows for 2 months. If M's share of rent be Rs. 2400, the rent paid by O is ?

[www.examveda.com; www.competoid.com]

- (a) Rs. 3200 (b) Rs. 4200
(c) Rs. 4000 (d) Rs. 5400 @

Mr.'X' invested certain amount in two different schemes 'A' & 'B'. Scheme 'A' offers simple interest at 12 p.c.a. and Scheme 'B' offers compound interest at 10 p.c.p.a. Interest accrued on the amount invested in Scheme A in 2 years was Rs.3,600 and the total amount invested was Rs.35,000. What was interest accrued on the amount invested in Scheme 'B'?

[www.competoid.com]

- (a) Rs.4,800
(b) Rs.4,200
(c) Rs.4,000
(d) Cannot be determined @@

Answer: Rs.4,200

Mrudul invested an amount of Rs.29,500 in order to start a business. Shalaka joined her 4 months later by investing an amount of Rs.33,500. If the business earned a profit of Rs.1,20,575 at the end of two years, what was Mrudul's share of the profit? [www.competoid.com]

- (a) Rs.60,725 (b) Rs.61,950
(c) Rs.59,250 (d) Rs.58,625 @@

Answer: Rs.61,950

Rahul and Bharti are partners in a business.

Rahul contributes $\frac{1}{4}$ th capital for 15 months

and Bharti received $\frac{2}{3}$ of profit. For how long

Bharti money was used. [www.examveda.com]

- (a) 8 months (b) 10 months
(c) 11 months (d) 17 months @

RS. 504 is divided between A, B and C, so that for every RS. 4. A receives, B receives RS. 10, and for every RS. 6, B receives C receives RS. 14. Their shares will be

[www.competoid.com]

- (a) Rs. 154, Rs.125, Rs. 225
(b) Rs. 250, Rs. 138, Rs. 66
(c) Rs.54, Rs. 135, Rs. 315
(d) None of these

@@

Answer: Rs.54, Rs. 135, Rs. 315

Srikanth and Vividh started a business investing amounts of Rs.185000 and Rs. 225000, respectively. If Vividh's share in the profit earned by them is Rs. 9000, what is the total profit earned by them together.

[www.competoid.com]

- (a) Rs. 17400 (b) Rs.16400
(c) Rs.16800 (d) Rs.17800 @@

Answer: Rs.16400

Three partners started a business by investing Rs.60,000, Rs.80,000 and Rs. 1,20,000 respectively. First partner left the business after 4 months, second after 9 months and third remained in the business for the whole year. At the end of year the total profit earned is Rs. 1,60,480, then find their shares of profit.

[www.competoid.com]

- (a) Rs. 16840, Rs. 44188, Rs. 92686
(b) Rs. 16048, Rs. 48144, Rs. 96288
(c) Rs. 16042, Rs. 14842, Rs. 9862
(d) Rs. 15000, Rs. 13423, Rs. 7562 @@

Answer: Rs. 16048, Rs. 48144, Rs. 96288

Two brother invested Rs. 50000 and Rs. 70000 respectively in a business and agreed that 70% of the profits should be divided equally between them and the remaining profit in the ratio of investment. If one brothers gets Rs. 90 more than the other. Find the total profit made in the business ?

[www.examveda.com; www.competoid.com]

- (a) Rs. 1200 (b) Rs. 1400
(c) Rs. 1600 (d) Rs. 1800 **d**
- ## Two partners invest Rs. 125000 and Rs. 85000 respectively in a business and agree that 60% of the profit should be divided equally between them and the remaining profit is to be divided into ratio of their capitals. If one partner gets Rs. 300 more than the other. Find the total profit made in the business ?
[www.examveda.com; www.competoid.com]
- (a) Rs. 3739.50 (b) Rs. 3937.50
(c) Rs. 3749.50 (d) Rs. 3947.50 **b**
- ## Two partners invest Rs.125000 and Rs.85000, respectively in a business and agree that 60% of the profit should be divided equally between them and the remaining profit is to be treated as interest on capital. If one partner gets Rs.600 more than the other, find the total profit made in the business.
[www.competoid.com]
- (a) Rs.8800 (b) Rs.8885
(c) Rs.8995 (d) Rs.7875 @@
- Answer: Rs.7875
- ## Two persons A and B start a business with investments of Rs.24000 and Rs.28000 respectively. After 4 months C also joined them with certain investment. Total profit at the end of the year was Rs.19950. C's share in profit was Rs.7600. What was the C's investment in the business?
[www.competoid.com]
- (a) Rs.48000 (b) Rs.45000
(c) Rs.50000 (d) Rs.40000 @@
- Answer: Rs.48000
- ## Vijay, Ram and Ravi started a shop by investing Rs.2700, Rs.8100 and Rs.7200 respectively. At the end of one year, the profit was distributed. If Ram's share was Rs.3600, then total profit was
[www.competoid.com]
- (a) Rs.10800 (b) Rs.11600
(c) Rs. 8000 (d) None of these @@
- Answer: Rs. 8000
- ## We have to divided a sum of Rs. 13950 among three persons A, B and C. B must get the double of A's share and C must get 50 less than the double of B's share. The share of A will be ?
[www.examveda.com; www.competoid.com]
- (a) Rs. 1950 (b) Rs. 1981.25
(c) Rs. 2000 (d) Rs. 2007.75 **c**

- ## X and Y are partners in a business. They invest in the ratio 5 : 6, at the end of 8 months X withdraws his capital. If they receive profits in the ratio of 5 : 9. Find how long Y's investment was used ?
[www.examveda.com; www.competoid.com]

- (a) 12 months (b) 10 months
(c) 15 months (d) 14 months **a**

- ## X and Y enter into a partnership with capitals in the ratio 5 : 6 and at the end of 8 months, X withdraws. If they receive profit in the ratio of 5 : 9. Find how long Y's capital was used.
[www.examveda.com; www.competoid.com]

- (a) 8 months (b) 9 months
(c) 11 months (d) 12 months **d**

- ## X and Y enter into a partnership with their capitals in the ratio 7 : 9. At the end of 8th month, X withdraws his capital. If they receive the profits in the ratio 8 : 9, Find how long Y's capital was used.
[www.competoid.com]

- (a) 4 months (b) 6 months
(c) 7 months (d) 8 months @@

Answer: 7 months

- ## X and Y entered into a partnership, investing Rs. 16,000 and Rs. 12,000 respectively. After 3 months X withdrew Rs. 5000, while Y invested 5000 more. After 3 months more Z joins the business with a capital of Rs. 21,000. After a year they obtained a profit of Rs. 26,400. By what amount does the share of Y exceed the share of Z.
[www.competoid.com]

- (a) Rs. 3600 (b) Rs. 3800
(c) Rs. 4600 (d) Rs. 4800 @@

Answer: Rs. 3600

- ## X and Y make a partnership. X invests Rs.8000 for 8 months and Y remains in the business for 4 months. Out of the total profit, Y claims $\frac{2}{7}$ of the profit. How much money was contributed by Y?
[www.competoid.com]

- (a) Rs.5000 (b) Rs.5400
(c) Rs.7400 (d) Rs.6400 @@

Answer: Rs.6400

- ## X and Y take a grass ground on lease for Rs. 300 for grazing their animals. If X grazes 10 animals for 5 weeks and Y grazes 15 animals for 7 weeks. The ratio in which they should divide the rent is :
[www.competoid.com]

- (a) 1 : 2 (b) 10 : 21
(c) 11 : 20 (d) 2 : 1 @@

Answer: 10 : 21

X and Z invest capital in the ratio of 2 : 1 while X and Y invest capital in the ratio of 3 : 2. If their annual profit is Rs. 157300 then what is Y share ?

[www.examveda.com; www.competoid.com]

- (a) Rs. 48400 (b) Rs. 58809
(c) Rs. 48810 (d) Rs. 47782 a

X starts a business with Rs. 25,000. After 4 months Y joins him with Rs. 20,000. What will be the ratio of their profit at the end of the year.

[www.competoid.com]

- (a) 4 : 8 (b) 5 : 10
(c) 15 : 8 (d) 9 : 18 @@

Answer: 15 : 8

X starts a business with Rs.300000 and y joins him after 3 months with Rs. 1200000. Find the ratio of the profits at the end of the year.

[www.competoid.com]

- (a) 2 : 5 (b) 3 : 5
(c) 5 : 1 (d) 1 : 3 @@

Answer: 1 : 3

X, Y and Z are partner in a business. If X's capital, is twice of Y's capital and Y's capital is three times to that of Z's capital then find the ratio of their investments.

[www.competoid.com]

- (a) 6 : 3 : 1 (b) 3 : 8 : 1
(c) 4 : 9 : 3 (d) 3 : 1 : 5 @@

Answer: 6 : 3 : 1

x, y and z can do a work in 12, 18, 21 days respectively. They undertook to finish the work together for Rs.4700, then the shares of x exceeds y by.

[www.competoid.com]

- (a) Rs.700 (b) Rs.1400
(c) Rs.1000 (d) Rs.1200 @@

Answer: Rs.700

X, Y and Z enter into partnership. X invests $\frac{1}{4}$ part of total capital for one-fourth of the time. Y contributes one fifth of the capital for half of the time. Z contributes the remaining capital for the whole time. How should they divided a profit of Rs. 1140?

[www.competoid.com]

- (a) Rs. 100, Rs. 160, Rs. 880 (b) Rs. 110, Rs. 140, Rs. 860
(c) Rs. 120, Rs. 150, Rs. 840 (d) Rs. 140, Rs. 170, Rs. 830 @@

Answer: Rs. 100, Rs. 160, Rs. 880

X, Y and Z were sharing profits in the ratio 4:3:2. Y retired from the firm and X and Z decide to share profits in the ratio 3:2. Calculate the gaining ratio. [www.competoid.com]

- (a) 7:8 (b) 5:9
(c) 4:7 (d) 5:8 @@

Answer: 7:8

Yogesh started a business investing Rs. 45000. After 3 months, Pranab joined him with a capital of Rs. 60000. After another 6 months, Atul joined them with a capital of Rs. 90000. At the end of the year, they made a profit of Rs. 20000. What would be Atuls share in it?

[www.examveda.com]

- (a) Rs. 7000 (b) Rs. 6000
(c) Rs. 5000 (d) Rs. 4000 d

A, B and C are three partners in a business.

The profit share of A is $\frac{3}{16}$ of the total profit

and B's share is $\frac{1}{4}$ of the total profit. If C receives Rs. 243, then the amount received by B will be :

[www.competoid.com]

- (a) Rs. 90 (b) Rs. 96
(c) Rs. 108 (d) Rs. 120 @@

Answer: Rs. 108

A, B and C invest RS. 2,000, RS. 3,000 and RS. 4,000 in a business. After 1 year, A removed his money but B and C continued for 1 more year. If net profit after 2 years be RS. 3,200, then A's share in the profit is

[www.competoid.com]

- (a) RS. 1,000 (b) RS. 800
(c) RS. 600 (d) RS.400 @@

Answer: RS.400

A, B and C jointly start a business A puts in Rs. 15,000 for 8 months B puts in Rs. 12,000 for 9 months and C puts in Rs. 8,000, for the whole year. In the end of the year there is a profit of Rs. 10,800. The difference between A's share and C share in the profit will be:

[www.competoid.com]

- (a) Rs. 800 (b) Rs. 600

(c) Rs. 1200 (d) Rs. 1,800 @@
Answer: Rs. 800

A and B enter into partnership investing Rs. 48,000 and Rs. 60,000 respectively. After 3 months, A withdraws Rs. 8,000 while B invests Rs. 6,000 after 6 months of starting of business. Out of the total amount of profit, if A gets Rs. 12,000 as his share at the end of the year total profit is : [www.competoid.com]

(a) Rs. 24,000 (b) Rs. 30,000
(c) Rs. 36,000 (d) Rs. 37,000 @@

Answer: Rs. 30,000

A and B enter into partnership. At the end of 9 months B withdraws but A's capitals is used for one month more . If they receive profit in the ratio of 5 : 6 then the ratio of their capital is [www.examveda.com; www.competoid.com]

(a) 3 : 4 (b) 4 : 3
(c) 5 : 6 (d) 6 : 5 @@

Answer: 3 : 4

A and B invest in a business in the ratio 3 : 2. If 5% of the total profit goes to charity and A's share is Rs. 855, the total profit is: [www.examveda.com; www.indiabix.com]

(a) Rs. 1425 (b) Rs. 1500
(c) Rs. 1537.50 (d) Rs. 1576 (b)

A and B started a boutique investing amounts of Rs. 35,000 and Rs. 56,000 respectively. If A's share in the profit earned by them need is Rs. 45,000, then what is the total profit earned? [www.examveda.com; www.competoid.com]

(a) Rs. 81,000 (b) Rs. 1,27,000
(c) Rs. 72,000 (d) Rs. 1,17,000 @@

Answer: Rs. 1,17,000

A and B started a business by investing Rs.18,000 and Rs.24,000 respectively. At the end of 4th month from the start of the business. C joins with Rs.15,000. At the end of 10th month B quits at which time C invests Rs.3000 more. At the end of 10th month B rejoins with the same investment. If profit at the end of the year is Rs.12,005. what is B's share in the profit? [www.competoid.com]

(a) Rs.4,000 (b) Rs.4,440
(c) Rs.4,360 (d) Rs.4,900 @@

Answer: Rs.4,900

A and B started a business in partnership by investing Rs. 10,000 and Rs. 4000

respectively. condition of partnership is that B got Rs. 100 per month for management of the business. After paying 5% interest on the capital, annual profit has distributed in the ratio of their investment. Find the share of their profit, if the annual profit is Rs. 4000. [www.competoid.com]

(a) Rs. 3000 each (b) Rs. 2500 each
(c) Rs. 1500 each (d) Rs. 2000 each @@

Answer: Rs. 2000 each

A and B started a business investing amount of Rs. 1,85,000 and Rs. 2,25,000 respectively. if B's share in the profit earned by them is Rs. 9,000 then what is the total profit earned by them together? [www.examveda.com; www.competoid.com]

(a) Rs. 17,400 (b) Rs. 16,400
(c) Rs. 16,800 (d) Rs. 17,800 @@

Answer: Rs. 16,400

A and B started a business with the investments in the ratio of 5:3 respectively. After 6 months from the start of the business, C joined them and the respective ratio between the investments of B and C was 2:3. If the annual profit earned by them was Rs.12,300. What was the difference between B's share and C's share in the profit? [www.competoid.com]

(a) Rs.900 (b) Rs.800
(c) Rs.600 (d) Rs.400 @@

Answer: Rs.900

A and B started business with Rs.20000 and Rs.35000 respectively. They agreed to share the profit in the ratio of their capital. C joins the partnership with the condition that A,B and C will share profit equally and pays Rs.220000 as premium for this, to be shared between A and B. This is to be divided between A and B in the ratio of [www.competoid.com]

(a) 10 : 1 (b) 1 : 10
(c) 9 : 10 (d) 10 : 9 @@

Answer: 10 : 1

A began a business with RS. 2100 and is joined afterwards by B with RS. 3,600. After how many month did B join if profit at the end of the year are divided equally? [www.competoid.com]

(a) 5 (b) 6
(c) 7 (d) Can't say @@

Answer: 5

A began a business with RS. 4,500 and was later joined by B with RS. 5,400. If profits at the end of the year are divided in the ratio 2 : 1, then find after how many months did B join?

[www.competoid.com]

- (a) 3 months (b) 5 months
(c) 7 months (d) 8 months @@

Answer: 7 months

A began a business with Rs.2250 and was joined afterwards by B with Rs. 2700. If the profit at the end of the year were divided in the ratio of 2 : 1, after how much time B joined the business?

[www.competoid.com]

- (a) 5 months (b) 6 months
(c) 3 months (d) 7 months @@

Answer: 7 months

A' began a small business with a certain amount of money. After four months from the start of the business. 'B' joined the business with an amount which was Rs.6,000 less than 'A's initial investment. 'C' joined the business after seven months from the start of business with an amount which was Rs.2,000 less than A's initial investment. At the end of the year total investment repented was Rs.1,42,000. What will be A's share in the profit. if B received Rs.8,000 as profit share? (in Rupees)

[www.competoid.com]

- (a) Rs.48,000 (b) Rs.46,500
(c) Rs.46,000 (d) Rs.42,000 @@

Answer: Rs.48,000

A man gave 20% of his salary to his only son and only daughter. The ratio of amount given to son and daughter is 3:2 respectively. Twice the amount what he gave to his daughter, he invested in LIC. Out of the remaining amount he gave one-fourth to his wife. After that he was left with Rs.16800. Find out the amount invested in LIC.

[www.competoid.com]

- (a) Rs.5600 (b) Rs.5400
(c) Rs.5800 (d) Rs.6200 @@

Answer: Rs.5600

A man has divided his total many in his will in such a way that half of it goes to his wife, $\frac{2}{3}$ rd of the remaining among his three sons equally and the rest among his four daughter equally. If each daughter gets Rs.20,000.

How much money will each son get?

[www.competoid.com]

- (a) Rs.50,333.33 (b) Rs.48,233.33
(c) Rs.53,333.33 (d) Data inadequate @@

Answer: Rs.53,333.33

A start a business with Rs. 45000. After 6 months B enters in his business with Rs. 80000. After one year C invests Rs. 120000. In what ratio the profit will be divided among A, B and C ?

[www.examveda.com]

- (a) 9 : 16 : 24 (b) 3 : 4 : 4
(c) 3 : 4 : 8 (d) 3 : 3 : 8 (b)

A started a business by investing Rs. 42000. After few months B joined by investing Rs. 49,000. If at the end of year A got Rs. 9000 and B got Rs.7000 as a share of their profit. Then after how many months B joined the business.

[www.competoid.com]

- (a) 1 month (b) 4 months
(c) 2 months (d) 3 months @@

Answer: 4 months

A started a business by investing Rs. 50,000. After 6 months B joined her by investing Rs. 75,000. After its 6 months C joined with Rs. 1,25,000. What is the ratio of profit shared after 2 years among A, B and C ?

[www.examveda.com; www.competoid.com]

- (a) 4 : 5 : 6 (b) 8 : 9 : 10
(c) 8 : 9 : 12 (d) 4 : 5 : 8 @@

Answer: 8 : 9 : 10

A started a business by investing some money and B invested Rs. 5000 each more than that of A. A remained in business for 5 months and B remained in business 1 month more than A. Out of the total profit of Rs. 26000, B got Rs. 6000 more than A. Find the capitals invested A and B ?

[www.examveda.com; www.competoid.com]

- (a) Rs. 29000, Rs. 18000 (b) Rs. 25000, Rs. 3000
(c) Rs. 15000, Rs. 10000 (d) Rs. 15000, Rs. 20000 (d)

A started the business investing RS. 35,000. After 6 month B Joined him with a capital of RS. 60,000. At the end of the year, total profit was RS. 26,000. What Will be the difference between shares of profits of A and B?

[www.competoid.com]

- (a) RS.1000 (b) RS.2000
(c) RS.2500 (d) RS.3000 @@

Answer: RS.2000

A starts a business with a capital of Rs.15000. B joins the business 6 months later from the start of the business and C joins the business 8 month later from the start of the business. End of the year their respective share in profit was in ratio of 5:3:3. What is the sum of amount put in the business by B and C together?

[www.competoid.com]

- (a) Rs.3300 (b) Rs.3500
(c) Rs.4200 (d) Rs.4500 @@

Answer: Rs.4500

A starts a business with an initial investment of Rs.18000. After 4 months, B enters into the partnership with an investment of Rs.24000. Again after two months C enters with an investment of Rs.30000. If C receives Rs.1845 in the profit at the end of the year. what is the total annual profit ?

[www.competoid.com]

- (a) Rs.6027 (b) Rs.6327
(c) Rs.6527 (d) Rs.6080 @@

Answer: Rs.6027

A starts a business with an investment of Rs.16000. After 3 months B joins the partnership with an investment equal to $\frac{5}{8}$ th of A's investment and A withdraws Rs.2000 from the business. After 3 months more C joins the partnership with an investment of Rs.9000. In the end of the year, C gets Rs.1026 as his share in profit. Find A's share in the profit.

[www.competoid.com]

- (a) Rs.3300 (b) Rs.3306
(c) Rs.3406 (d) Rs.3506 @@

Answer: Rs.3306

A starts a small business by investing a certain sum of money. B joins A after three months from the start of the business by investing 1.5 times A's investment. Three months after B joined the business. C joins A and B by investing half of A's investment. It was agreed that the working partner would receive 10% of the profit and the share according to the investment proportion from the rest of the profit. If total profit at the end of the year was Rs.23750. How much will A,

being the only working partner receive?

[www.competoid.com]

- (a) Rs.11,375 (b) Rs.10,000
(c) Rs.12,375 (d) Rs.11,275 @@

Answer: Rs.11,375

A starts some business with Rs.50,000. After 3 months B joins him with Rs. 70,000. At the end of the year, in what ratio should they share the profit ?

[www.competoid.com]

- (a) 1 : 3 (b) 3 : 2
(c) 1 : 5 (d) None of these @@

Answer: None of these

A sum of RS. 1,000 is divided between A and B such that RS. 10 more than $\frac{1}{2}$ of A's share and RS. 20 more than $\frac{1}{3}$ of B's share are equal, then A's share is

[www.competoid.com]

- (a) RS. 412 (b) RS. 420
(c) RS. 588 (d) RS.500 @@

Answer: RS. 412

A working partner gets 20% as his commission of the profit after his commission is paid. If the working partner's commission is Rs. 8000, then what is the total profit in the business ?

[www.examveda.com;

www.competoid.com]

- (a) Rs. 47000 (b) Rs. 45000
(c) Rs. 48000 (d) None of these C

A, B and C are partners in a business partnership. A invested Rs. 4000 for whole year. B invested Rs. 6000 initially but increased this investment upto Rs. 8000 at the end of 4 months, while C invested Rs. 8000 initially, but withdraw Rs. 2000 at the end of 9 months, At the end of year total earned profit is Rs. 16950, find their share of profit.

[www.examveda.com; www.competoid.com]

- (a) Rs. 3600, Rs. 6600, Rs. 6750
(b) Rs. 2000, Rs. 3050, Rs. 5400
(c) Rs. 2450, Rs. 2460, Rs. 1456
(d) None of these

@@

Answer: Rs. 3600, Rs. 6600, Rs. 6750

A, B and C enter into a partnership investing Rs 35000, Rs 45000 and Rs 55000 resp. The respective share of A,B and C in an annual profit of Rs 40500 are.

[www.examveda.com]

- (a) Rs. 11500, Rs. 13500, Rs. 16500
 (b) Rs. 10500, Rs. 12500, Rs. 16500
 (c) Rs. 10500, Rs. 13500, Rs. 15500
 (d) Rs. 10500, Rs. 13500, Rs. 16500

A, B and C have invested a sum of Rs. 125000 in a business. B invested Rs. 15000 more than A and C invested Rs. 20,000 more than B. If the total earned profit is Rs. 37450 at the end of year, then find their share of profit.

[www.competoid.com]

- (a) Rs. 7490, Rs. 11984, Rs. 17976
 (b) Rs. 8480, Rs. 7550, Rs. 8560
 (c) Rs. 7940, Rs. 7054, Rs. 17500
 (d) Rs. 5100, Rs. 6943, Rs. 7140

@@

Answer: Rs. 7490, Rs. 11984, Rs. 17976

A, B and C hire a meadow for Rs. 4,650. A puts in 10 oxen for 20 days, B puts in 50 oxen for 8 days and C puts in 16 oxen for 9 days. The rent paid by B is

[www.competoid.com]

- (a) Rs. 1,005 (b) Rs. 1,500
 (c) Rs. 1,550 (d) Rs. 2,500

@@

Answer: Rs. 2,500

A, B and C hired a car for Rs. 4,160. A used it for 7 hours, B for 8 hours and C used it for 11 hours. The rent shared by A will be :

[www.competoid.com]

- (a) Rs. 960 (b) Rs. 1120
 (c) Rs. 1,260 (d) Rs. 1,760

@@

Answer: Rs. 1120

A, B and C hired a pasture. A grazed 12 cows 2 hours every day for 4 months, B grazed 16 cows, 4 hours every day for 6 months and C grazed 6 cows 9 hours everyday for 2 months. If B has paid Rs. 1152 as a share of fare. Find the amount of total rent.

[www.competoid.com]

- (a) Rs. 1413 (b) Rs. 1214
 (c) Rs. 1764 (d) Rs. 1102

@@

Answer: Rs. 1764

A, B and C invested money in the ratio of $\frac{1}{2}$:

$\frac{1}{3} : \frac{1}{5}$ in a business. After 4 months A doubled his investment and after 6 months B halves his investment. If the total profit at the end of the year be Rs. 34650 then find the share

of each in profit ?

[www.examveda.com;

www.competoid.com]

- (a) Rs. 20000, Rs. 25000, Rs. 18000
 (b) Rs. 15500, Rs. 27200, Rs. 20450
 (c) Rs. 22500, Rs. 6750, Rs. 5400
 (d) Rs. 10350, Rs. 21540, Rs. 12050

C

A, B and C start a business partnership with respective initial investments of Rs.4200, Rs.3600 and Rs.2400. After 4 months from the start of the business A invests an additional amount of Rs.1000 in the business. After 6 months from the start of the business B and C invest additional amounts in the respective ratio of 1:2. After 10 months they get a total profit of Rs.2820. If the Share of A in profit be Rs.1200, what was the additional investment made by B?

[www.competoid.com]

- (a) Rs.420 (b) Rs.400
 (c) Rs.440 (d) Rs.450

@@

Answer: Rs.400

A, B and C started a business by investing Rs. 24,000, Rs. 32000 and Rs.18000 respectively. A and B are active partners and get 15% and 12% of total profit and remaining profit is to be distributed among them in the ratio of their investment. If C got total Rs.65700 as a profit, what was the total amount of profit ?

[www.examveda.com; www.competoid.com]

- (a) Rs. 4,70,000 (b) Rs. 3,70,000
 (c) Rs. 3,45,000 (d) Rs. 1,57,000

@@

Answer: Rs. 3,70,000

A, B and C started a business by investing Rs.20,000 Rs.28,000 and Rs.36,000 respectively. After 6 months, A and B withdrew an amount of Rs.8,000 each and C invested an additional amount of Rs.8,000. All of them invested for equal period of time. If at the end of the year, C got Rs.12,550 as his share of profit, what was the total profit earned ?

[www.competoid.com]

- (a) Rs.25,100 (b) Rs.26,600
 (c) Rs.24,300 (d) Rs.22,960

@@

Answer: Rs.25,100

A, B and C started a business in partnership with investments of Rs.12000, Rs.26000 and Rs.32000 respectively. After 4 months A leaves. After 6 months B leaves and A joins with an amount equal to his earlier

investment. After 10 months C leaves and B joins with his prior investment. At the end of the year they earn a Profit of Rs.53622. Find the share B in the annual profit

[www.competoid.com]

- (a) Rs.17221 (b) Rs.17212
(c) Rs.17222 (d) Rs.18212 @@

Answer: Rs.17212

A, B and C started a business with investments of Rs.1,600, Rs.2,000 and Rs.1800 respectively. After 6 months from the start of the business, A invested Rs.200 more. After 8 months from the start of the business, B and C invested additional amounts in the respective ratio of 4:1. If they received an annual profit of Rs.3780 and A's share in the profit is Rs.10810, what was the additional amount that C invested?

[www.competoid.com]

- (a) Rs.200 (b) Rs.300
(c) Rs.400 (d) Rs.270 @@

Answer: Rs.270

A, B and C started a business with their investment in the ratio 1:3:5. After 4 months A invested the same amount as before and B as well as C withdrew half of their investments. The ratio of their profits at the end of the year was :

[www.competoid.com]

- (a) 5:6:10 (b) 6:5:10
(c) 10:5:6 (d) 4:3:5 @@

Answer: 5:6:10

A, B and C started a business with their investments in the ratio 1 : 2 : 4. After 6 month A invested the half amount more as before and B invested same the amount as before while C withdrew $\frac{1}{4}$ th of the his investments. Find the ratio of their profits at the end of the year.

[www.competoid.com]

- (a) 5 : 12 : 13 (b) 5 : 11 : 14
(c) 5 : 12 : 14 (d) None of these @@

Answer: 5 : 12 : 14

A, B, and C invest RS. 5,000, RS. 6,000 and RS. 4,000 in a business. A gets 30% of the profit as Manager's salary and the remaining part of the profit is distributed among them in the ratio of their investments. If A gets RS. 200 more than B and C receive together, then total profit is

[www.competoid.com]

- (a) RS. 3,500 (b) RS. 3,000
(c) RS. 2,000 (d) None of these @@

Answer: RS. 3,000

A, B, C are the partners of a business. A contributes $\frac{1}{3}$ of the whole capital. While B contributes as much as A and C together contribute. If the profit at the end of the year is Rs.42000. What would each receive

[www.competoid.com]

- (a) Rs.24000, 16000, 2000 (b) Rs.14000, 21000, 7000
(c) Rs.21000, 14000, 7000 (d) Rs. 7000, 21000, 14000 @@

Answer: Rs.14000, 21000, 7000

A, B, C rent a pasture. A puts 10 oxen for 7 months, B puts 12 oxen for 5 months and C puts 15 oxen for 3 months for grazing. If the rent of the pasture is Rs. 175, how much must C pay as his share of rent?

[www.examveda.com; www.indiabix.com]

- (a) Rs. 45 (b) Rs. 50
(c) Rs. 55 (d) Rs. 60 a

A, B, C started a business by investing Rs.6000, Rs.9000 and Rs.12,000 respectively. If at the end of the year the business earned a profit of Rs.3600 How should they divide the profit?

[www.competoid.com]

- (a) 1600 (b) 1200
(c) 1800 (d) 1400 @@

Answer: 1600

A, B, C started a shop by investing Rs.27000, Rs.81000 and Rs.72000 respectively. At the end of one year B's share in total profit was Rs.36000. What was the total profit?

[www.competoid.com]

- (a) Rs.108000 (b) Rs.116000
(c) Rs.80000 (d) Rs.92000 @@

Answer: Rs.80000

A, B and C enter into partnership by making investments in the ratio 3 : 5 : 7. After a year, C invests another Rs.337600. While A with draws Rs.45600. The ratio of investments then changes to 24 : 59 : 167. How much did A invest initially?

[www.competoid.com]

- (a) Rs.45600 (b) Rs.96000
(c) Rs.141600 (d) None of these @@

Answer: Rs.141600

Aarti, Vinita and Kamala became partners in a business by investing money in the ratio of 5 : 7 : 6. Next year, they increased their investments by 26%, 20% and 15%, respectively. In what ratio should profit earned during 2nd year be distributed?

[www.competoid.com]

- (a) 21 : 28 : 23 (b) 23 : 28 : 21
(c) 28 : 23 : 21 (d) 35 : 41 : 7 @@

Answer: 21 : 28 : 23

Amit and Brijesh started a business with initial investments in the ratio of 12 : 11 and their annual profits were in the ratio of 4 : 1. If Amit invested the money for 11 months, then for what time Brijesh invested the money?

[www.competoid.com]

- (a) 9 months (b) 3 months
(c) 5 months (d) 10 months @@

Answer: 3 months

Amitabh, Brijesh and Kamesh enters a partnership with shares in the ratio of $\frac{7}{2} : \frac{4}{3} :$

$\frac{6}{5}$. After 4 months, Amitabh increases his share by 50%. If the total profit at the end of the year be Rs.21600, what will be the share of Brijesh in the profit?

[www.competoid.com]

- (a) Rs.8000 (b) Rs.12000
(c) Rs.4000 (d) Rs.7000 @@

Answer: Rs.4000

Avinah, Manoj and Arun started a business in partnership investing in the ratio of 3 : 2 : 5 respectively. At the end of the year, they earned a profit of Rs.45000 which is 15% of their total investment. How much did Manoj invest?

[www.competoid.com]

- (a) Rs.60000 (b) Rs.180000
(c) Rs.30000 (d) Rs.90000 @@

Answer: Rs.60000

Ayush and Babloo are partners in a business. Aayush contributes $\frac{1}{4}$ of the capital

for 15 months and Babloo received $\frac{2}{3}$ of the profit. How long Babloo's money was used?

[www.competoid.com]

- (a) 10 months (b) 9 months
(c) 11 months (d) 7 months @@

Answer: 10 months

Dheeraj distributed his total assets to his wife, three sons, two daughters and five grandchildren in such a way that each grandchild got one-eighth of each son or one-tenth of each daughter. His wife got 40 per cent of the total share of his sons and daughters together. If each daughter received asset of worth Rs.1.25 lakh. what was the total worth of the assets received by his wife and the three grandchildren together?

[www.competoid.com]

- (a) Rs.32,500 (b) Rs.2,57,500
(c) Rs.2,82,500 (d) Cannot be determined @@

Answer: Rs.2,57,500

Dilip and Manohar start a business by investing RS. 1,00,000 and RS. 1,50,000 respectively. The share of each out of a profit of RS. 2,400 will be

[www.competoid.com]

- (a) RS. 960, RS. 1450 (b) RS. 1000, RS. 1400
(c) RS. 380, RS. 1600 (d) RS. 960, RS. 1440 @@

Answer: RS. 960, RS. 1440

Dilip, Ram and Amar started a shop by investing RS. 27,000, RS. 81,000 and RS. 72,000 respectively. At the end of 1 year, the profit was distributed. If Ram's share of profit be RS. 36,000, then total profit was

[www.competoid.com]

- (a) RS. 1,16,000 (b) RS. 1,08,000
(c) RS. 80,000 (d) None of these @@

Answer: RS. 80,000

Four milkmen rented a pasture. A grazed 18 cows for 4 months, B grazed 25 cows for 2 months, C grazed 28 cows for 5 months and D grazed 21 cows for 3 months. If A's share of rent be RS. 360, then total rent of the field is

[www.competoid.com]

- (a) RS. 1,500 (b) RS. 1,600
(c) RS. 1,625 (d) RS. 1,650 @@

Answer: RS. 1,625

Geeta, Shweta and Sita Started a business with investmem of Rs.4200, Rs.8400 and Rs.5400 respectively. In the end of the year there was a profit of Rs.24000. Sita invested 32% of her share in profit in the business. The remaining amount of profit with Sita is

[www.competoid.com]

- (a) Rs.4986 (b) Rs.4689
(c) Rs.4886 (d) Rs.4896 @@

Answer: Rs.4896

If we divide RS. 541 in three parts such that 4 times the first may be equal to 6 times the second and 11 times the third, then three parts are in the ratio [www.competoid.com]

- (a) 4 : 6 : 11 (b) 1/4 : 1/6 : 1/11
(c) 11 : 6 : 4 (d) 5 : 4 : 3 @@

Answer: 1/4 : 1/6 : 1/11

In a business, A and C invested amounts in the ratio 2 : 1, whereas the ratio between amounts invested by A and B was 3 : 2. If Rs. 157300 was their profit, how much amount did B receive? [www.examveda.com]

- (a) Rs. 48000 (b) Rs. 48200
(c) Rs. 48400 (d) Rs. 48600 C

In a partnership X invests $\frac{1}{6}$ th of the capital for $\frac{1}{6}$ th of the time, Y invests $\frac{1}{3}$ rd capital for $\frac{1}{3}$ rd time and Z invests the remaining capital for the whole time. If at the end of the year the profit earned is Rs. 23000 then what will be Y share? [www.competoid.com]

- (a) Rs. 5500 (b) Rs. 5000
(c) Rs. 6000 (d) Rs. 4000 @@

Answer: Rs. 4000

Jeevan started the business investing RS. 50,000 4 month after he started Anil joined him with a capital of RS. 90,000. If at the end of year, total profit in the bussiness was RS. 22,000, then what will be Anil's share in it? [www.competoid.com]

- (a) RS.16,000 (b) RS. 15,000
(c) RS. 12,000 (d) RS.10,000 @@

Answer: RS. 12,000

Karan starts a business by investing Rs.60,000. six months later Shirish joins him by investing Rs.1,00,000. At the end of one year from commencement of the business, they earn a profit of Rs.1,51,800. What is the Shirish's share in the profit? [www.competoid.com]

- (a) Rs.55200 (b) Rs.82800
(c) Rs.62500 (d) None of these @@

Answer: None of these

M, P and Q together started a business. M invested Rs. 6,500 for 6 months, P invested Rs. 8,400 for 5 months and Q invested Rs. 10,000 for 3 months. M is working member for which he gets 5% of total profit extra. If

the total gain is Rs. 7,400, then Q's Share is :

[www.examveda.com; www.competoid.com]

- (a) Rs. 1,900 (b) Rs. 2,100
(c) Rs. 3,200 (d) Data are incomplete @@

Answer: Rs. 1,900

Manoj got RS. 6,000 as his share out of total profit of RS. 9,000 which he and Ramesh earned at the end of 1 year. If Manoj invested RS. 2,000 for 6 month whereas Ramesh invested his amount for the whole year, the amount invested by Ramesh was

[www.examveda.com; www.competoid.com]

- (a) RS. 4,000 (b) RS. 3,000
(c) RS. 1,000 (d) RS. 500 @@

Answer: RS. 500

Mr. A opened a workshop investing 40,000. He invested additional amount of 10,000 every year. After two years his Student B joined him with an amount of 85,000. Thereafter B did not invest any additional amount. On completion of four year from the opening of workshop they earned an profit of 1,95,000. What will be A's share in the earning. [www.competoid.com]

- (a) 85000 (b) 110000
(c) 135000 (d) 95000 @@

Answer: 110000

Mr.Shivkumar started a business investing Rs.25,000 in 1996. In 1997 he invested an additional amount of Rs.10,000 and Mr.Rakesh joined him with an amount of Rs.35,000 in 1998. Mr.Shivkumar invested another additional amount of Rs.10,000 and Mr.Suresh joined them with an amount of Rs.35,000. What will be Rakesh's share in the profit of Rs.1,50,000 earned at the end of three years from the start of the business in 1996? [www.competoid.com]

- (a) Rs.70,000 (b) Rs.50,000
(c) Rs.45,000 (d) Rs.75,000 @@

Answer: Rs.50,000

Out of total capital required to start a business A invested 30%, B invested $\frac{2}{5}$ th and C invested the remaining capital. At the end of one year sum of Rs. 4000 is earned as a profit which is 20% of the capital given by B,

then find how much C invested in the business ? [www.examveda.com; www.competoid.com]

- (a) Rs. 25000 (b) Rs. 10000
(c) Rs. 15000 (d) Rs. 12450 **C**

P, Q, R enter into a partnership. P initially invests 25 lakh & adds another 10 lakhs after one year. Q initially invests 35 lakh & withdrawal 10 lakh after 2 years and R invests Rs 30 Lakhs . In what ratio should the profit be divided at the end of 3 years? [www.examveda.com]

- (a) 18 : 19 : 19 (b) 18 : 18 : 19
(c) 19 : 19 : 18 (d) 18 : 19 : 19 **C**

Rakesh Yadav Reader publication makes a profit of 9,00,000, 20% of which is paid as taxes. If the rest is divided among the partners P, Q and R in the ratio of 1: $1\frac{1}{2}$: 2, then the shares of P, Q and R are respectively. [www.competoid.com]

- (a) Rs. 2,40,000; Rs. 3,20,000; Rs. 1,60,000
(b) Rs. 3,20,000; Rs. 2,40,000; Rs. 1,60,000
(c) Rs. 1,60,000; Rs. 3,20,000; Rs. 2,40,000
(d) Rs. 1,60,000; Rs. 2,40,000; Rs. 3,20,000

Answer: Rs. 1,60,000; Rs. 2,40,000; Rs. 3,20,000 @@

Rakesh, Dinesh and Mahesh start a business by investing Rs.5000, Rs.8000 and Rs.12000 respectively. At the end of year, they got profit of Rs.12500. What is the share of Dinesh in profit? [www.competoid.com]

- (a) Rs.4000 (b) Rs.4500
(c) Rs.6000 (d) Rs.7500 @@

Answer: Rs.4000

Raksha invested an amount of Rs.60,000 to start a software business. After six months, Kamal joined her with an amount of Rs.90,000. After one year from the commencement of the business. Raksha put in an additional amount of Rs.20,000. At the end of three years, they earned a profit of Rs.71,20,000. What is Raksha's share in the profit? [www.competoid.com]

- (a) Rs.35,20,000 (b) Rs.26,40,000
(c) Rs.27,00,000 (d) Rs.38,40,000 @@

Answer: Rs.38,40,000

Ram, Shyam and Kamal together starts a business in partnership. The ratio of their capitals is 3 : 4 : 7. If their annual profit be Rs.21000, what will be Kamal's share in this profit? [www.competoid.com]

- (a) Rs.12500 (b) Rs.10500
(c) Rs.15000 (d) Rs. 10000 @@

Answer: Rs.10500

Ramesh and Priya started a business initially with Rs. 5100 and Rs.6600, respectively. Investments done by both the persons are in for different time periods. If the total profit is Rs.5460, what is the profit of Ramesh? [www.competoid.com]

- (a) Rs. 1530 (b) Rs. 1600
(c) Rs. 1400 (d) Data inadequate @@

Answer: Data inadequate

Reena, Reema and Meera take a car on rent and they use that car for 14h, 16hr and 22hr respectively. What amount will be paid by Meera, if total rent of the car is Rs.2080? [www.competoid.com]

- (a) Rs. 880 (b) Rs. 1280
(c) Rs. 1040 (d) Rs. 960 @@

Answer: Rs. 880

Rs. 700 is divided among A, B, C so that A receives half as much as B and B half as much as C. Then C's share is [www.examveda.com; www.competoid.com]

- (a) Rs. 200 (b) Rs. 300
(c) Rs. 400 (d) Rs. 500 **C**

Rs.73,689 are divided between A and B in the ratio 4:7. What is the difference between thrice the share of A and twice the share of B? [www.competoid.com]

- (a) Rs.36,699 (b) Rs.46,893
(c) Rs.20,097 (d) Rs.13,398 @@

Answer: Rs.13,398

Sam invested Rs.7000 in a shop and Gupta joined him after 4 months by investing Rs.3000. After one year if the net profit be Rs.13500, then Gupta's share in the profit is [www.competoid.com]

- (a) Rs.3600 (b) Rs.3000
(c) Rs.3800 (d) Rs.3900 @@

Answer: Rs.3000

Sunetra invested an amount of Rs.50,000 to start a software business. After six months Nikhil joined her with an amount of

Rs.80,000. At the end of 3 years they earned a profit of Rs.24,500. What is Sunetra's share in the profit? [www.competoid.com]

- (a) Rs.14,000 (b) Rs.9423
(c) Rs.10,250 (d) None of these @@

Answer: None of these

Three men A,B and C start a business together. They invest Rs.30000, Rs.24000 and Rs.42000 respectively in the beginning. After 4 months. B took out Rs.6000 and C took out Rs.10000. They get a profit of Rs.11960 at the year. B's share in the profit is [www.competoid.com]

- (a) Rs.2700 (b) Rs.2803
(c) Rs.2900 (d) Rs.2785 @@

Answer: Rs.2803

Three milk man rented a pasture A grazed 20 cows for 6 months, B grazed 40 cows for 4 months and C grazed 30 cows for 5 months. If A's share of rent is Rs.240, then the total rent of the field is [www.competoid.com]

- (a) Rs.860 (b) Rs.600
(c) Rs.640 (d) Rs.840 @@

Answer: Rs.860

Three partner A, B and C started a business by investing Rs. 48000 each after 6 months, A left the business after 10 months B left the business and after 12 months C left the business. If total earned profit is Rs. 5250, then find the share of A, B and C? [www.competoid.com]

- (a) Rs. 1125, Rs. 1825, Rs. 2250
(b) Rs. 1125, Rs. 1800, Rs. 2200
(c) Rs. 1125, Rs. 1875, Rs. 2250
(d) Rs. 1175, Rs. 1256, Rs. 2350 @@

Answer: Rs. 1125, Rs. 1875, Rs. 2250

Three partners A, B and C invest RS. 3,000 RS. 4,000 and RS. 5,000 respectively. A get 15% of the profit as manager's salary and B gets 10% of the profit as Asst. Manager's salary. The remaining part of the profit is distributed among them in the ratio of their investments. If A receives RS. 540, the shares of B and C respectively are [www.competoid.com]

- (a) RS. 560, RS. 500 (b) RS.500, RS. 560
(c) RS. 160, RS. 500 (d) none of these @@

Answer: RS. 560, RS. 500

Three partners A, B and C invested in the ratio of $\frac{5}{4} : \frac{4}{5} : \frac{6}{5}$ in a business. After 3 months A increased his capital by 50%. If the total profit of Rs. 35,700 earned at the end of year, find What was the A's share of Profit? [www.competoid.com]

- (a) Rs. 12,000 (b) Rs. 16,500
(c) Rs. 13,000 (d) Rs. 15,600 @@

Answer: Rs. 16,500

Three partners A, B and C start a business. Twice the Investment of A is equal to thrice the capital of B and capital of B is 4 times the capital of C. The difference of profits of B and C out of a total profit of RS. 2, 97,000 will be [www.competoid.com]

- (a) RS. 1,62,000 (b) RS. 1,08,000
(c) RS. 27,000 (d) RS. 81,000 @@

Answer: RS. 81,000

Three partners invest RS. 2000, RS. 2500 and RS. 1100 in a business and earn a profit of RS. 560. Then share of the person who invested RS. 2500 is [www.competoid.com]

- (a) RS. 200 (b) RS. 250
(c) RS. 300 (d) RS. 350 @@

Answer: RS. 250

15

Chain Rule

A garrison of 500 men had provisions for 27 days. After 3 days a reinforcement of 300 men arrived. For how many more days will the remaining food last now ?

[www.examveda.com]

- (a) 15 (b) 16
(c) $17\frac{1}{2}$ (d) 18

a

The work done by a women in 8 hours is equal to the work done by a man in 6 hours and by a boy in 12 hours. If working 6 hours

per day 9 men can complete a work in 6 days, then in how many days can 12 men, 12 women and 12 boys together finish the same work, working 8 hours per day ?

[www.examveda.com]

- (a) $1\frac{1}{2}$ days (b) 3 days
(c) $3\frac{2}{3}$ days (d) $4\frac{1}{2}$ days

a

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