

Time Taken



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Mark Gained



1.If a shirt is sold for Tk. 560, there is a loss 20%. What is the cost price of the shirt?

- a. ক) Tk. 500
- b. খ) Tk. 600
- c. গ) Tk. 650
- d. ঘ) Tk. 700

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[Show Explanation](#)

**Explanation:** দেওয়া আছে, বিক্রয়মূল্য ৫৬০ টাকা ২০% ক্ষতিতে বিক্রয়মূল্য =  $(১০০ - ২০) = ৮০$  টাকা বিক্রয়মূল্য ৮০ টাকা হলে ক্রয়মূল্য ১০০ টাকা বিক্রয়মূল্য ৫৬০ টাকা হলে ক্রয়মূল্য  $(১০০ \times ৫৬০)/৮০$  টাকা = ৭০০ টাকা

2.A man buy 10 articles for Tk. 15 and sells them at the rate of Tk. 1.5 per article. His gain percent is:

- a. ক) 10%
- b. খ) 20%
- c. গ) 0%
- d. ঘ)  $(325/4)\%$

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**Explanation:** Ans- 0% Cost price of 10 articles (C.P.) = Tk. 15 Selling price of 10 articles (S.P.) =  $1.5 \times 10 = \text{Tk.} 15$  Profit = S.P - C.P. =  $15 - 15 = \text{Tk.} 0 \therefore \text{Gain \%} = 0\%$

3. A profit of 25% could have been made if an item was sold for Tk. 750. It was sold for a loss of 5% instead. What is the actual selling price?

a. ক) Tk. 720

b. খ) Tk. 570

c. গ) Tk. 450

d. ঘ) Tk. 620

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**Explanation:** Ans- Tk. 570 Let be assume cost price of the item is  $100x \Rightarrow 125x = 750 \Rightarrow x = 6 \Rightarrow$  Now, the actual selling price of the item was 5% less the cost price of the items  $\Rightarrow$  The actual selling price of item =  $100x - 5x = 95x \Rightarrow 95 \times 6 = 570 \therefore$  The required result will be 570.

4. If 5% is gained by selling an article for Tk. 350 than selling it for Tk. 340, the cost of the article is :

a. ক) Tk. 150

b. খ) Tk. 180

c. গ) Tk. 200

d. ঘ) Tk. 240

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**Explanation:** Selling price difference =  $(350 - 340) = \text{Tk. } 10$  So, 5% of an article = Tk. 10  $\therefore$  100% of an article =  $(10 \times 100) / 5 = \text{Tk. } 200$

5. By selling a bicycle for Tk. 2,850, a shopkeeper gains 14%. If the profit is reduced to 8%, then the selling price will be:

- a. 2300
- b. 2650
- c. 2800
- d. 2700

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**Explanation:** CP of bicycle =  $(100/114) \times 2850 = \text{Tk. } 2500$  SP for a profit of 8% =  $(108/100) \times 2500 = \text{Tk. } 2700$

6. If a man were to sell his chair for Tk. 720, he would lose 25%. To gain 25% he should sell it for:

- a. 1000
- b. 1200
- c. 960
- d. 900

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**Explanation:** CP of chair =  $(100/75) \times 720 = \text{Tk. } 960$  To gain 25%, SP =  $(125/100)$

$$\times 960 = \text{Tk. } 1200$$

7. Sudip sold an article at 6% loss. Had he sold it for Tk. 64 more, he would have made a profit of 10%. Then the cost of the article is =?

a. Tk. 350

b. Tk. 400

c. Tk. 450

d. Tk. 500

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**Explanation:**

$$\text{ATQ, } 16\% = 64$$

$$100\% = 400$$

8. If the selling price is tripled, the profit becomes eight times. Find the profit percent.

a. 25%

b. 30%

c. 35%

d. 40%

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**Explanation:**

Let,

The cost price be Tk.100 and sell price be Tk. x,

Then,

The profit is =  $(x - 100)$

Now, The sell price is doubled, then the new sell price is  $3x$

New profit is =  $(3x - 100)$

ATQ,

$$8(x - 100) = 3x - 100$$

$$\Rightarrow 8x - 800 = 3x - 100$$

$$\Rightarrow 8x - 3x = 800 - 100$$

$$\Rightarrow 5x = 700$$

$$\therefore x = 140$$

Then, the Profit =  $(140 - 100) = 40$

Hence the profit percentage is =  $(40/100) \times 100\%$

= 40%

9. Shahriar bought a bag for Tk. 3500 and later sold it for Tk. 4000.

Find the profit percentage he earned.

- a. 50% loss
- b. 50% profit
- c. 40% loss
- d. 40% Profit

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10. Chocolates are bought at 10 for Tk 20 and sold at 12 for Tk 30.

The gain percent is-

- a. 20%
- b. 25%
- c. 30%
- d. 35%

[Show Answer](#)[Show Explanation](#)**Explanation:**

Cost per chocolate =  $20/10$  Tk.  
= 2 Tk.

Sell per chocolate =  $30/12$  Tk.  
= 2.5 Tk.

So, gain percentage =  $\{(2.5 - 2)/2\} \times 100$   
= 25 Tk. or 25%

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