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PROFIT, LOSS AND DISCOUNT

Q1. Fill in the blanks with the correct number:

- If CP of an item is ₹ 500 and sold at a loss of 4%, then the SP of the item should be _____ .
- If CP of an item is ₹ 2130 and ₹ 580 were spent on repairs, then the final CP of the article will be _____.
- If an item is sold at a loss of 10% at ₹ 720, the CP of the item should be _____ .
- If an item is sold at one-fourth of the price at which it was bought, the seller incurs a loss of _____ %.

Q2. A sold an item to B at a loss of 5%. B sold it to C at a profit of 10%. Based on the given information, state True or False for the following statements:

- B paid lesser amount than C to buy the item. _____
- A paid more amount than C to buy the item. _____
- If A bought the item at ₹ 250, C bought it at ₹ 260. _____
- A sold the item at a lesser value than B. _____

Q3. The loss incurred on selling an item is equal to one-fifth of its selling price of one item. If the overhead expenses were 5% of the cost price and the item was sold at ₹ 1500, find the following:

- CP of each item (including overhead expenses) = _____
- Overhead expenses on each item = _____

Q4. A shopkeeper bought 15 bicycles at ₹ 8,500 each. If he sold 40% of the bicycles at ₹ 9000 each and the remaining at ₹ 8200 each, find his gain or loss percentage.

Answer: _____

Q5. If Rakhi sells the coffee table for ₹ 4500, she would incur a loss of 25%. At what price should she sell the table in order to gain?

Answer: _____

Q6. Three items are purchased at ₹ 1600 each. One of them is sold at a loss of 12.5%. At what price should the other two be sold, so that there is no net loss or gain in the whole transaction?

SP of other two chairs = ₹ _____ each

Q7. Find the gain or loss percentage, if the cost price of 7 pens is equal to the selling price of 5 pens.

Answer: _____

Q8. By selling a washing machine at a discount of 25% which is marked at ₹ 35,000, the shopkeeper makes 25% profit. Find the selling price and the cost price.

Selling Price of washing machine = _____

Cost Price of washing machine = _____

Q9. The shopkeeper was giving flat 10% discount on all the items. Rajat bought a bag after taking a subsequent discount of 12%. If the marked price of the bag was ₹ 1500, find the amount Rajat paid for the bag.

Answer: _____

Q10. A gas stove is marked at ₹ 5000. The shopkeeper offers a discount of 20%. If the VAT is 8%, find the amount that customers have to pay to purchase the gas stove.

Answer: _____

Answers

1. a. 480; b. 2710; c. 800; d. 75
2. a. True; b. False; c. False; d. True
3. a. ₹ 1800; b. ₹ 90
4. $\frac{4}{17}\%$ gain
5. ₹ 6672
6. ₹ 1700 each
7. Gain of 40%
8. SP = ₹ 26, 250; CP = ₹ 21,000
9. ₹ 1188
10. ₹ 4320