

Profit, Loss and Discount

Q1. Fill in the blanks in the following table:

Selling Price (S.P.)	Cost Price (C.P.)	Profit/Loss	(Profit/Loss) %
₹2400	₹3000	_____	_____
₹_____	₹1000	Loss	8%
₹4160	₹_____	Profit	4%

Q2. Find whether the shopkeeper will gain profit or incur loss in the following scenarios:

- CP of an article is $\frac{1}{5}$ of its SP : _____
- SP is increased in the ratio 9 : 6 : _____
- An article was sold at twice its CP : _____
- An article was bought at a price $4\frac{1}{2}$ times its SP : _____

Q3. Rashi bought 400 tables at ₹2000 each. She spent ₹150 on polishing for each table. She further had to spend ₹12000 on transportation. He sold 150 tables at ₹4500 each and the remaining at ₹3500 each. Find her profit or loss per cent in the whole transaction.

Answer: _____

Q4. If the CP of 10 pens is equal to the SP of 8 pens, find the profit or loss per cent.

Answer: _____

Q5. Aarti sold a bag for ₹475 incurring a loss of 5%. At what price should she have sold it to gain 10%?

Answer: _____

Q6. Kamini bought a bicycle for ₹8000. She sold it to Riya at a profit of 5%. Riya sold it to Rakhi at a profit of 10%. How much money did Rakhi pay for the bicycle?

Answer: _____

Q7. Put the correct sign $<$, $>$ or $=$ to make the following statements true:

- a. If CP _____ SP, then Profit $>$ 0.
- b. If SP _____ MP, then Discount = 0.
- c. If MP $>$ SP, then Discount _____ 0.
- d. If Loss% $>$ 0, then SP _____ CP.

Q8. A table was sold for ₹1150 after allowing a discount of 8% on the marked price. Find the marked price of the table.

Answer: _____

Q9. An article was bought at ₹1080. What should be the marked price of an article if the shopkeeper wants to gain 25% on it, after allowing a discount of 25%?

Answer: _____

Q10. Jatin gave trade discount of 12% on an article listed at ₹200 to Manish. If Manish gives a cash discount of 5% on the listed price, then what profit does Manish make? Also, find his profit per cent.

Answer: _____

Answers

1.

Selling Price (S.P.)	Cost Price (C.P.)	Profit/Loss	(Profit/Loss) %
₹2400	₹3000	Loss	20%
₹1080	₹1000	Loss	8%
₹4160	₹4000	Profit	4%

2. a. Profit; b. Profit; c. Profit; Loss

3. Profit of 77.75%

4. Profit of 25%

5. ₹550

6. ₹9240

7. a. <

b. =

c. >

d. <

8. ₹1250

9. ₹1800

10. Profit = ₹14; Profit % = $7\frac{21}{22}\%$