Profit Percent and Loss Percent

A. Choose the correct answer:

1. If an article is sold for ₹240 with a gain of 20%, the cost price is:
   a) ₹180   b) ₹190
   c) ₹200   d) ₹220

2. A shopkeeper bought a toy for ₹150 and sold it for ₹120. What is the loss percent?
   a) 15%   b) 20%
   c) 25%   d) 30%

3. An article costing ₹500 is sold for ₹550. The profit percent is:
   a) 5%   b) 10%
   c) 15%   d) 20%

4. Loss percent when an article bought for ₹600 is sold for ₹450 is:
   a) 20%   b) 25%
   c) 30%   d) 35%

5. Selling price of an article is ₹960 and loss incurred is 4%. The cost price is:
   a) ₹900   b) ₹950
   c) ₹1000   d) ₹1100

B. Write the Missing Terms to Complete the Sentences:

1. Profit percent = $\left(\frac{Profit}{Cost\ Price}\right) \times$ _____.

2. Loss percent = $\left(\frac{Loss}{...}\right) \times 100$.

3. If Profit percent is 25% and Cost Price is ₹800, then Profit is _____.

4. Selling Price = Cost Price $\times (1 + \frac{...}{100}$ for profit.

5. Loss occurs when Selling Price is _____ than Cost Price.

C. Figure out the answers to these questions:

1. A man bought an article for ₹500 and sold it for ₹575. Find the profit percent.

2. A shopkeeper bought a fan for ₹1200 and sold it at a loss of 5%. Find the selling price.

3. Find the cost price if selling price is ₹825 and profit percent is 10%.

4. Find the selling price of an article when cost price is ₹640 and loss percent is 12.5%.

5. A trader bought a machine for ₹25000 and sold it at a loss of 15%. Find the selling price.

D. Mark each sentence with a True (✔) or False (✗):

1. Profit percent is calculated on Selling Price.   ____

2. Loss percent = $\left(\dfrac{Loss}{Cost\ Price}\right) \times 100$.   ____

3. If there is no gain or loss, then Cost Price = Selling Price.   ____

4. 10% profit means Cost Price is 90% of Selling Price.   ____

5. A loss percent of 20% means Selling Price is 80% of Cost Price.   ____

E. Challenge yourself with these questions:

1. A dealer bought a car for ₹300000 and sold it for ₹270000. Find the loss and loss percent.

2. If 20% profit is made on an article costing ₹150, find the selling price.

3. The cost price of a watch is ₹1200. It is sold at a profit of 15%. Find the selling price.

4. A person sells a table for ₹400 and gains 25%. Find the cost price.

5. An article is sold for ₹990 at a loss of 10%. Find the cost price.