

PROFIT AND LOSS

Cost price (CP) - The amount for which an article is bought is called its cost price.

Selling price (SP) - The amount for which an article is sold is called its selling price.

Profit or gain - When $(SP) > (CP)$ then there is a gain.

$$\text{Gain} = (SP) - (CP)$$

Loss - When $(SP) < (CP)$ then there is a loss.

$$\text{Loss} = (CP) - (SP).$$

**Q.1) A man purchase 11 oranges in 10 rs and sell 10 oranges in 11 rs .
Find the total profit or loss in whole transaction ?**

Q.2) A man purchase 9 pens in 16 rs and sell it at a offer of 11 pens in 20rs . How much percent of profit or loss he received ?

Q.3) A dishonest merchant claims to sell articles on the cost price but he uses a weight of 960 grams instead of 1kg . How much percent of profit he earned by doing this ?

- **Q.4) A shopkeeper sells rice on a profit of 10% the weight he uses is 20% less than original weight. What will be his total profit ?**
- **Q.5) Cost price of 10 articles is equal to the selling price of 9 articles. Find the profit percent ?**
- **Q.6) On selling 33 meter cloth a shopkeeper earns a profit equal to the selling price of 11 meter cloth. How much percent of profit shopkeeper get ?**
- **Q.7) Alfred buys an old scooter for rs 4700 and spends rs 800 on its repairs . If he sell the scooter for rs 5800 , then his gain percent is ?**

- **Q.8) Shweta sells a goods to Priya at a profit of 20% and Priya sells it to Laxmi at a profit of 25%. If Laxmi pays Rs 225 for it, What was the cost price for Shweta?**

Q.9) A sells a bicycle to B at a profit of 30% and B sells it to C at a loss of 20%. If C pays Rs. 520 for it, at what price did A buy?

Q.10) If by selling an article for Rs. 390, a shopkeeper gains 20% find his cost price.

Q.11) A man bought a cycle for Rs. 250, for how much should he sell so as to gain 10%

• **Q.12) By selling an article for rs 240 a man incurs a loss of 10% . At what price should he sell it , so that he makes a profit of 20% ?**

A) Rs. 264

B) Rs. 288

C) Rs. 300

D) Rs. 320

- **Q.13) 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 ?**
- **A) Rs 720**
- **B) Rs 840**
- **C) Rs 600**
- **D) Rs 750**

- **Q.14) By selling an article for Rs. 72 there is a loss of 10% in order to gain 5% , it's selling price should be ?**
- **A) Rs. 87**
- **B) Rs. 85**
- **C) Rs. 80**
- **D) Rs.84**