

PROFIT AND LOSS SHORTCUTS

Hint 1 :

Cost price and profit percentage are given.

Cost price = C.P, Profit percentage = P%

Then Selling price (S.P) =  $(100+P)\% \times \text{C.P}$

Hint 2 :

Cost price and loss percentage are given.

Cost price = C.P, Loss percentage = L%

Then Selling price (S.P) =  $(100 - L)\% \times \text{C.P}$

Hint 3 :

Profit = S.P - C.P

Loss = C.P - S.P

Hint 4 :

Cost price and Profit are given

Cost price = C.P, Profit = "K"

$$\text{Profit percentage} = \frac{K}{\text{C.P}} \times 100 \%$$

Hint 5 :

Cost price and Loss are given

Cost price = C.P, Loss = "K"

$$\text{Loss percentage} = \frac{K}{\text{C.P}} \times 100 \%$$

**Hint 6 :**

Selling price and profit percentage are given.

How to find cost price ?

Use "Hint 1" and solve for C.P

**Hint 7 :**

Selling price and loss percentage are given.

How to find cost price ?

Use "Hint 2" and solve for C.P

**Hint 8 :**

**Marked Price :** It is the price before discount given

**Selling price = Marked price - Discount value**

**Hint 9 :**

**Marked price = M.P, Discount = D%**

**Then, Discount value = (D% ) x M.P**

**Selling price (S.P) = (100 - D)% x M.P**

**Hint 10 :**

Marked price (M.P) and discount value are given.

Then shortcut to find the discount percentage is,

$$\text{Discount percentage} = \frac{\text{Discount value}}{\text{M.P}} \times 100 \%$$

**Hint 11 :**

**RETAILER USING FALSE WEIGHT :**

A trader cheats his customer to make a profit by stating that he sells at cost price. But he gives his customer less than 1000 grams (false weight) for every kg.

Cheated value = Original weight - False weight

Then shortcut to find profit percentage is,

$$\text{Profit percentage} = \frac{\text{Cheated value}}{\text{False weight}} \times 100 \%$$

Hint 12 :

S.P of article 1  
S.P of article 2 } → same

Profit %  
Loss % } → same , say P%

Net result of the transaction = Loss

$$\text{Loss percentage} = \frac{P^2}{100} \%$$

Hint 13 :

C.P of article 1  
C.P of article 2 } → same

Profit %  
Loss % } → same , say P%

Net result = "No profit", "No loss"