

## Ex-16.2

A- Find the profit or loss in each of the following.

1-  $CP = ₹ 1565$  ,  $SP = ₹ 1840$

$$S.P > C.P$$

Sol. Profit =  $S.P - C.P$

$$= ₹ 1840 - ₹ 1565$$

$$= ₹ 275$$

2-  $CP = ₹ 125.40$  ,  $SP = ₹ 425.25$  R.w.

Sol.  $S.P > C.P$

$$\text{Profit} = S.P - C.P$$

$$= ₹ 425.25 - ₹ 125.40$$

$$= ₹ 299.85$$

2.  $CP = ₹ 2570$  ,  $SP = ₹ 2100$

Sol.  $C.P > S.P$

$$\therefore \text{Loss} = \text{C.P} - \text{S.P}$$

$$= ₹ 2570 - ₹ 2180 = ₹ 390$$

$$4- \text{C.P} = ₹ 925.75, \text{S.P} = ₹ 1022.30$$

$$\text{Sol. } \text{S.P} > \text{C.P}$$

$$\therefore \text{Profit} = ₹ 1022.30 - 925.75$$

$$= ₹ 96.55$$

$$\begin{array}{r} 1022.30 \\ - 925.75 \\ \hline 096.55 \end{array}$$

B- Mohan bought - - - - - or loss.

$$\text{Sol. } \text{C.P of mobile phone} = ₹ 2150$$

$$\text{S.P of mobile phone} = ₹ 2375$$

$$\text{S.P} > \text{C.P}$$

$$\begin{array}{r} 2375 \\ - 2150 \\ \hline 0225 \end{array}$$

$$\therefore \text{Profit} = \text{S.P} - \text{C.P}$$

$$= ₹ 2375 - ₹ 2150 = ₹ 225$$

C- A man buys — — — — — loss.

Sol. CP of washing machine = ₹ 9540

Money spends on transportation = ₹ 225

SP of washing machine = ₹ 8050.

CP of washing machine after transportation

$$= ₹ 9540 + 225 = ₹ 9765$$

S.P. of washing machine = ₹ 8050

C.P > S.P

$$\therefore \text{Loss} = \text{C.P} - \text{S.P}$$

$$= ₹ 9765 - 8050$$

$$= ₹ 1715$$

9765
- 8050
<hr/>
1715

D - Find the selling price of the mixer?

Sol. S.P. of brief case = ?

C.P. of brief case = ₹ 2275

Profit = ₹ 75

$$\text{Profit} = \text{S.P.} - \text{C.P.}$$

$$₹ 75 = \text{S.P.} - ₹ 2275$$

$$\begin{array}{r} 2275 \\ + 75 \\ \hline 2350 \end{array}$$

$$₹ 75 + ₹ 2275 = \text{S.P.}$$

$$₹ 2350 = \text{S.P.}$$

∴ Selling price of the brief case = ₹ 2350

E - The selling price of the mixer?

Sol. S.P. of mixer = ₹ 1775

Loss = ₹ 232

C.P of mixer = ?

$$\text{Loss} = \text{C.P} - \text{S.P}$$

$$₹232 = \text{C.P} - ₹1775$$

$$\begin{array}{r} \text{R.w} \\ 1775 \\ + 232 \\ \hline 2007 \end{array}$$

$$₹232 + ₹1775 = \text{C.P}$$

$$₹2007 = \text{C.P}$$

∴ The cost price of mixer is ₹2007

F. Menu bought ————— he bought?

Sol. S.P. of a table = ₹875

$$\text{Profit} = ₹105$$

$$\begin{aligned} \text{C.P} &= \text{S.P} - \text{profit} \\ &= ₹875 - ₹105 \\ &= ₹770 \end{aligned}$$

$$\begin{array}{r} \text{R.w.} \\ 875 \\ - 105 \\ \hline 770 \end{array}$$

∴ The shopkeeper bought the table for ₹770