Profit - Loss

Practice Set 33

Maganlal bought trousers for ₹400 and a shirt for ₹200 and sold them for ₹448 and ₹250 respectively. Which of these transactions was more profitable?

trousers and 8% profit on shirt.

$$\frac{A}{100} = \frac{48}{400}$$

$$A = \frac{48}{400} \times 100$$

$$A = \frac{48}{4}$$

$$A = \frac{48}{4}$$

$$\therefore \qquad A = 12 \%$$

* For Shirt :-

$$C \cdot P \cdot = 200$$

 $S \cdot P \cdot = 250$

$$\therefore \frac{B}{100} = \frac{50}{200}$$

$$B = \frac{50}{200} \times 100$$

$$B = \frac{50}{2}$$

Here, profit on shirt is more than profit on trower. Transaction in shirt is more profitable.

2. Ramrao bought a cupboard for ₹4500 and sold it for ₹4950. Shamrao bought a sewing machine for ₹3500 and sold it for ₹3920. Whose transaction was more profitable?

Sol":- Let, the percentage profit for Ramrao is Air. and the percentage profit for Shamrao is Bir.

* For cupboard :-

$$= 4950 - 4500$$

$$\frac{A}{100} = \frac{450}{4500}$$

$$A = \frac{450}{4500} \times 100$$

* For Sewing machine:-

$$\frac{B}{100} = \frac{420}{3500}$$

$$B = \frac{420}{3500} \times 100$$

$$B = \frac{420}{36}$$

$$B = \frac{60}{5}$$

$$B = 127.$$

Here, profit in sewing machine for Shamrao is more than profit in cupboard for Ramrao.

: Transaction made by shamrao

3. Hanif bought one box of 50 apples for ₹400. He sold all the apples at the rate of ₹10 each. Was there a profit or a loss? What was its percentage?

Solno- Hanif bought 50 apples for 2400.

Now, he cold each apple for 7 10.

g.p. = 10×50

∴ S.P. = ₹ 500

Here, S.P. > C.P.

.. There is a profit.

... Profit = S.P. - C.P.

= 500 - 400

Profit = 7 100

let, the 1. profit be A.

$$\frac{A}{100} = \frac{100}{400}$$

$$\therefore \qquad \qquad \beta \qquad = \qquad \frac{(00)}{400} \times (00)$$

$$A = \frac{100}{4}$$

$$A = 25 \gamma.$$

: 1/ profit for Hanif is 25%.