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Exercise - 8 (A)

Handwritten text in pencil, including the number '8' and some illegible characters, possibly '8-102'.

⑥ Mohit sold a T.V for ₹ 3600; gaining one-sixth of its selling price. Find :-

(i) The gain.

$$\rightarrow \frac{1}{6} \times 3600 = ₹ 600$$

(ii) the cost price of the T.V.

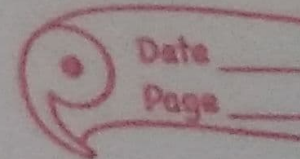
$$\rightarrow CP = SP - \text{Profit}$$

$$= 3600 - 600 = ₹ 3000$$

(ii) profit %.

$$\rightarrow \frac{600}{3000} \times 100 = 20\%$$

Exercise - 8 (B)



(11) Rajesh sold his scooter to Rahim at 8% loss and Rahim, in turn, sold the same scooter to Prem at 5% gain of prem paid ₹ 14,490 for the scooter, find:

(i) the S.P., and the C.P. of the scooter for Rahim.

→ Prem paid for the scooter = ₹ 14,490
Rahim sold to Prem,

So, in case of Rahim,

$$S.P = 14,490, \text{ Gain} = 5\%$$

$$C.P = \frac{100}{(100 + 5\%)} \times S.P$$

$$= \frac{100}{105} \times 14,490 = ₹ 13,800.$$

$$i) \text{ Rahim} = C.P = 13,800$$

$$S.P = 14,490$$

Rajesh sold the scooter to Rahim,

So, in case of Rajesh,

$$S.P = 13,800, \text{ Loss} = 8\%$$

$$C.P = \frac{100}{(100 - 8\%)} \times S.P = \frac{100}{92} \times 13,800$$

$$= ₹ 15,000$$

ii) Rajesh's = C.P = 15,000
S.P = 13,800. (The S.P & C.P of the scooter of Rajesh)

13) John sold an article to Peter at 20% profit & Peter sold it to Mohan at 5% loss. If Mohan paid ₹ 912 for the article; find how much did John pay for it?

→ Mohan paid for the article, = ₹ 912.

Peter sold this to Mohan,

So, in case of Peter,

$$S.P = ₹ 912, \text{ Loss} = 5\%$$

$$C.P = \frac{100}{(100 - 5\%)} \times S.P$$

$$= \frac{10}{95} \times 912 = ₹ 960$$

Now, John sold the same article to Peter,

So, in case of John,

$$S.P = ₹ 960, \text{ Profit} = 20\%$$

$$C.P = \frac{100}{(100 + 20\%)} \times S.P$$

$$= \frac{100}{120} \times 960 = ₹ 800 - \text{Ans.}$$

* Peter's = C.P = ₹ 960, S.P = ₹ 912

* John's = C.P = ₹ 800, S.P = ₹ 960.