Cosmo School

Class – 5

Chapter – 9

Percentage

Lecture sheet – 5

Solution

1. Given,

Cost price = 1800 tk

Loss % = 20 %

We know,

$$\text{Selling price} = \left[\frac{(100-Loss\%)}{100} \times Cost\ price\right]$$

$$= \left[\frac{(100-20)}{100} \times 1800\right] \text{ tk}$$

$$= \frac{80\times1800}{100} \text{ tk}$$

$$= 1440 \text{ tk}$$

Ans: 1440 tk.

2. Given,

Selling price = 6300 tk

Profit = 40%

We know,

$$\text{Cost price} = \left[\frac{100}{(100+profit\%)} \times Selling\ price\ \right]$$

$$= \left[\frac{100}{(100+40)} \times 6300\right] \text{ tk}$$

$$= \left(\frac{100\times6300}{140}\right) \text{ tk}$$

$$= 4500 \text{ tk}$$

Ans: 4500 tk