Cosmo School

Work Sheet

Class -7

Subject-Mathematics

Chapter-2

Topic- Profit and Loss

Date 16/07/2020

Profit: If a selling price is more than its cost price, then it is called profit.

Loss: If a cost price is more than its selling price, then   it is called loss.

Some important Formula of Profit and Loss:

1. Profit = Selling price – Cost price
2. Selling price = Cost price +Profit
3. Cost price=Selling Price-Profit

1. Loss = Cost Price – Selling Price.

2. Cost Price = Selling Price +Loss

3. Selling price=Cost price -Loss

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

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

For profit:
$$S.P. = [\frac{(100+profit\ \%)}{100} \times C.P.]$$
For Loss:
$$S.P. = [\frac{(100-Loss\ \%)}{100} \times C.P.]$$
For Profit:
$$C.P. = [\frac{100}{(100+profit\ \%)} \times S.P.]$$
For Loss:
$$C.P. = [\frac{100}{(100-Loss\ \%)} \times S.P.]$$

Practice at Home:

1.If a shopkeeper bought 30 meters of cloth at a particular price. Again, he sold 20 meters of cloth at that particular price. What is the percentage of profit of the shopkeeper?

2. The selling price of 12 eggs is equal to the cost price of 15 eggs. Find the gain per cent.

3. The cost price of 10 bananas is equal to the S.P. of 12 bananas. Find the loss per cent

4.If buying rate of orange is tk.175 per dozen and selling rate is tk.210, what is the percentage or profit?

5.Jacob purchased a house for tk.49,000. He spent tk6,000 for repair and tk5,000 for air-conditioning. If he had sold the house tk58,000, find the gain or loss percentage in this transaction.

6. Rahim bought 50 pens for tk.100. She then sold each pen for tk.2.50. Find the profit or loss percentage.

7.Rasel is a watch seller. He sold a watch at tk.625 at a loss of 10%. What is the loss after selling the watch?