

Class - 5

Chapter - 9

# Percentage

# <u>Lecture sheet – 7</u>

# **Short Question Answer**

1. A book is sold at 90 tk with the loss of 10 %. What is the cost price of the book?

Ans: 100 tk.

#### Rough

Given,

$$S.P. = 90 tk$$

We know,

C.P. = 
$$\left[\frac{100}{(100 - Loss\%)} \times S.P.\right]$$
  
=  $\left[\frac{100}{(100 - 10)} \times 90\right] \text{ tk}$   
=  $\left(\frac{100 \times 90}{90}\right) \text{ tk}$   
= 100 tk

2. Convert 33% into decimal fraction.

Ans: 0.33.

**Rough**

$$33\% = \frac{33}{100} = 0.33$$

3. The cost of the book is 100 tk, what will the selling price be if it is sold at profit 8%?

Ans: 108 tk.

#### Rough

Given,

$$C.P. = 100 \text{ tk}$$

We know,

S.P. = 
$$\left[\frac{(100 + Profit\%)}{100} \times \text{C.P.}\right]$$
  
=  $\left[\frac{(100 + 8)}{100} \times 100\right] \text{ tk}$   
=  $\left(\frac{108 \times 100}{100}\right) \text{ tk}$ 

4. Convert  $\frac{3}{5}$  into percentage.

Ans: 60%.

$$\frac{3}{5} = \frac{3 \times 20}{5 \times 20} = \frac{60}{100} = 60\%$$

5. What is the basis of calculating profit and loss?

Ans: Cost price.

6. What is made if selling price is more than the cost price?

Ans: Profit.

7. What is made if cost price is more than the selling price?

Ans: Loss.

8. Write the formula to find annual interest.

Ans: Annual interest =  $\frac{Principal \times Rate \ of \ interest \times Time}{100}$ 

9. 1 Kg mango is brought for 100 tk and sold for 95 tk. What is the percentage of profit or loss?

Ans: Loss 5%.

Rough

Given,

C.P. = 100 tk

S.P. = 95 tk

Loss = (100-95) tk

= 5 tk

We Know,

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

=  $\frac{5}{100}$  × 100%

= 5%

10. The cost price of a book is tk 150 and the selling price is tk 180. What is the percentage of profit%?

Ans: 20%.

Given,

$$S.P. = 180 \text{ tk}$$

We Know,

Profit% = 
$$\frac{Profit}{C.P.}$$
 × 100% =  $\frac{30}{150}$  × 100% = 20%

#### 11. 15% of 300 Taka =?

Ans: 45 tk.

Rough

15% of 300

$$= \frac{15}{100} \times 300$$
=45

## 12. What does a profit of 5% imply?

Ans: If cost price is 100 Taka, then selling price is (100+5), that is, 105 Taka.

13. Profit or loss depends on what?

Ans: Cost price.

14. What is the invested money called?

Ans: Principal.

15. 56% of what gram is 42 grams?

Ans: 75 grams.

Rough
$$56\% \text{ of } \square = 42$$

$$\implies \frac{56}{100} \times \square = 42$$

$$\implies \square = \frac{42 \times 100}{56}$$

$$\implies \square = 75$$

#### 16. Common fraction of 5% is what?

**Ans:** 
$$\frac{1}{20}$$

**Rough**

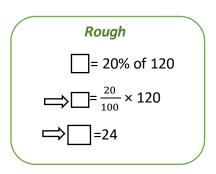
$$5\% = \frac{5}{100} = \frac{1}{20}$$

#### 17. How much is 4% of 75 Taka?

Ans: 3 Taka.

### 18. How many Kilograms are 20% of 120 Kilograms?

## Ans: 24 Kilograms.



## 19. How much is 30% of 50 grams?

## **Ans:** 15 grams.

Rough

30% of 50

= 
$$\frac{30}{100} \times 50$$

=15

## 20. Express 35% as a fraction.

Ans: 
$$\frac{7}{20}$$
.

**Rough**

$$35\% = \frac{35}{100} = \frac{7}{20}$$