

## Chapter- 13

## Percentage

## WORKSHEET

1. Fill in the blanks :

a. The symbol of percentage is %.b. The "cent" means hundred.c.  $\frac{63}{100}$  is same as 63%.d. 0.34 in percent form can be written as 34%.e.  $\frac{18}{25} =$  72 %.

2. Express each of the following in percent

a.  $\frac{3}{5}$ 

$$\text{Ans. } \frac{3}{5} \times \frac{20}{20} = \frac{60}{20} = 60\%$$

b. 1.073

$$\text{Ans. } 1.073 = \frac{073}{1000} = \frac{73}{1000} \times \frac{100}{10} = \frac{73}{10} = 7.3\%$$

3. Express in percent

a. 12 out of 25

$$\text{Ans. } \frac{12}{25} \times \frac{4}{4} = \frac{48}{100} = 48\%$$

b. 47 cm of 2 m

$$\text{Ans. } \frac{47}{200} \times \frac{100}{2} = \frac{47}{2} = 23\frac{1}{2}\% \text{ or } 23.5\%$$

## 4. Solve the word problems.

- a. If the total pages of your mathematics book is 213 and till now you have finished page 114. What is the percentage you have completed?

Ans. Total Pages of your mathematics book = 213

Finished Page = 114

Completed or Percentage is =  $\frac{114}{213} \times 100$

$$= \frac{11400}{213} = 53.52\%$$

The Percentage you have completed = 53.52%.

- b. Aditi saves 33% of her pocket money. She gets ₹950 as her pocket money. Find the amount she saves.

Ans.

Aditi save 33% of the pocket money

She gets as her pocket money = ₹950

$$\text{Save amount} = 950 \times \frac{33}{100} = \frac{313.5}{10} = ₹313.5$$

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The amount she save = ₹313.5.