

Chapter- 13

Percentage

WORKSHEET

1. Fill in the blanks :

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

2. Express each of the following in percent

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

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

b. 1.073

$$\text{Ans. } \frac{1.073}{10} \times 100 = 107.3$$

3. Express in percent

a. 12 out of 25

$$\text{Ans. } 48\%$$

b. 47 cm of 2 m

$$\text{Ans. } 23.5$$

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 mathematics book = 213

Pages finished = 114

∴ Percentage of pages we have completed =

$$114 \div 213 = \frac{114}{213} \times 100 = \frac{11400}{213}$$

$$= 53.5\%$$

Hence, 53.5% of pages of maths book is completed

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

Ans. Pocket money saved by Aditi = 33%

Total amount of pocket money = ₹950

$$\text{Amount she saves} = \frac{33}{100} \times 950 = \frac{313.5}{2}$$

∴ Hence, she saves ~~₹313.5~~ ₹ 313.5 of her pocket money.

.....