

Chapter- 13

Percentage

WORKSHEET

1. Fill in the blanks :

- a. The symbol of percentage is %.
- b. The "cent" means one hundredth.
- c. $\frac{63}{100}$ is same as 0.63.
- 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. $\frac{3}{5}$

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

b. 1.073

Ans. 1.073×100
 $= 107.3\%$

3. Express in percent

a. 12 out of 25

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

b. 47 cm of 2 m

Ans.

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 in math Book = 213
Finished pages = 114

So, completed per cent percentage

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

$$= \frac{38}{71} \times 100$$

$$= \frac{3800}{71}$$

$$= 52.52\%$$

$$\begin{array}{r} 44 \quad 38 \\ \underline{213} \\ 71 \end{array}$$

$$\begin{array}{r} 52.52 \\ \hline 71 \overline{) 3800} \\ \underline{-355} \\ 250 \\ \underline{-213} \\ 370 \\ \underline{-355} \\ 150 \\ \underline{-142} \\ 8 \end{array}$$

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

Ans. Aditi saves 33%

She gets ₹950 pocket money

She saves = 33% of ₹950

$$= \frac{33}{100} \times 950$$

$$= \frac{627}{2}$$

$$= 313.50$$

$$\begin{array}{r} 33 \\ \times 19 \\ \hline 297 \\ + 330 \\ \hline 627 \end{array}$$

$$\begin{array}{r} 313.50 \\ \hline 2 \overline{) 627} \\ \underline{-6} \\ 02 \\ \underline{-2} \\ 07 \\ \underline{-6} \\ 10 \\ \underline{-10} \\ 0 \\ \underline{-0} \\ 0 \end{array}$$

So, she saves ₹ 313.50