MONTH : NOVEMBER

SESSION : 10

CLASS : V

SUBJECT : MATHEMATICS

CHAPTER NUMBER: 13

CHAPTER NAME : PERCENTAGE

SUB-TOPIC : TO FIND PERCENTAGE OF A GIVEN QUANTITY.

EXERCISE 13 B Q.NO. 1 & 2

LEARNING OBJECTIVE :

Enable the students

- To find the percentage of a given quantity.
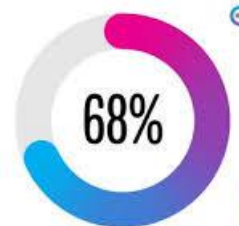
PERCENTAGE

To find the percentage :

1. Convert the percentage as fractions.
2. Then multiply the given quantity.

Example: **Find the 35% of 700**

$$\frac{35}{100} \times \overset{7}{700} = \mathbf{245}$$

Converted to fraction

68%

PERCENTAGE

1. Find

a. 35% of $700 = \dfrac{35}{\cancel{100}} \times \cancel{700}^{\,7} = $ **245**

b. 19% of $600 = \dfrac{19}{\cancel{100}} \times \cancel{600}^{\,6} = $ **114**

c. 21% of ₹$1800 = \dfrac{21}{\cancel{100}} \times \cancel{1800}^{\,18} = $ **₹ 378**

d. $16\dfrac{2}{3}\%$ of ₹$3000 = \dfrac{\cancel{50}}{\cancel{3}} \times \dfrac{1}{\cancel{100}_{2}} \times \cancel{3000}^{\,1000}_{\,500} = $ **₹ 500**

PERCENTAGE

2. Express

a. 15 paise as percentage of ₹ 1 = $\dfrac{15}{100}$ × 100 = **15 %**

b. 20 as percentage of 25 = $\dfrac{\overset{4}{20}}{\cancel{25}}$ × 100 = **80%**

c. 6cm as percentage of 1 m = $\dfrac{6}{100}$ × 100 = **6%**

d. 5 cm as percentage of 2 m = $\dfrac{5}{2\,200}$ × 100 = **2 $\dfrac{1}{2}$%**

EXERCISE 13 B

2. Express

e. 12 g as percentage of 500 g = $\dfrac{12}{\underset{5}{\cancel{500}}} \times \cancel{100} = \mathbf{2\dfrac{2}{5}\%}$

f. 10 L as percentage of 15 L = $\dfrac{10}{\underset{3}{\cancel{15}}} \times \overset{20}{\cancel{100}} = \dfrac{200}{3} = \mathbf{66\dfrac{2}{3}\%}$

➢ **Complete exercise 13 B Q.No. 1 & 2 in the note book.**

Students are able to:
- ➤ **Find the percentage of a given quality.**

THANKING YOU
ODM EDUCATIONAL GROUP