Class 7-Mathematics

Instructions for students: The notes provided must be copied to the Maths copy and then do the homework in the same copy.

Chapter 7

Percentage and its Applications

- The word '**Percent**' means '**per hundred**' or '**out of hundred**'
- Percent is denoted by the symbol '**%**'
  Example:

  35% means 35 out of hundred or $\frac{35}{100}$

- The symbol % stands for $\frac{1}{100}$
- '**Percentage**' is the numerator of a fraction with denominator **100.**
  Examples:

  $$\frac{20}{100} \quad = \quad 20\%$$

  $$\frac{6}{100} \quad = \quad 6\%$$

Exercise 7.1

3.(i) Solution:

Fraction of students absent $\quad = \quad \frac{6}{40}$

Percentage of students absent $= \quad \frac{6}{40} \times 100\%$

$$= \quad \frac{3}{20} \times 100\%$$

$$= \quad 3\times5 \quad =15\%$$

7. Solution:

Total number of parts $\quad = \quad 7+33$

$$= \quad 40$$

Fraction of copper part $\quad = \quad \frac{33}{40}$

Percentage of copper part $\quad = \quad \frac{33}{40} \times 100\%$

$$= \quad \frac{165}{2}\%$$

$$= \quad 82\frac{1}{2}\%$$

9. Solution:

Total number of parts	=	2+3+5 = 10
Fraction of money Raju got	=	$\frac{2}{10}$
Amount of money Raju got	=	$\frac{2}{10} \times 2500$ = ₹500
Percentage of money Raju got	=	$\frac{2}{10} \times 100\%$ =20%
Fraction of money Roy got	=	$\frac{3}{10}$
Amount of money Roy got	=	$\frac{3}{10} \times 2500$ = ₹750
Percentage of money Roy got	=	$\frac{3}{10} \times 100\%$ =30%
Fraction of money Ravi got	=	$\frac{5}{10}$
Amount of money Ravi got	=	$\frac{5}{10} \times 2500$ = ₹1250
Percentage of money Ravi got	=	$\frac{5}{10} \times 100\%$ =50%

Home work: Solve Exercise 7.1 in Maths copy.