

Ex: - 7.2

1.
(i) 15% of 250
 $250 \times \frac{15}{100}$

$= \frac{75}{2}$
2) 75 (37
6
15
14
1

Ans $37\frac{1}{2}\%$

(ii) 25% of 120 lit

$120 \times \frac{25}{100}$

= 30 lit

(iii) 8% children of a class of 25 like getting wet in the rain.

How many children of like getting wet in the rain.

Total number of students = 25
No. of students like getting wet in the rain = $25 \times 8\%$

$= \frac{25 \times 8}{100} = 2$

Ans: - No. of students getting like wet

3. Vasundara ate 3 ice cream cups out of 20 kept in the fridge. What percent did she eat?

Vasundara ate 3 ice cream.

$$\therefore \text{She ate} = \frac{3}{20} \times 100\%$$

$$= 2 \times 5\%$$

$$= 10\%$$

④

A school team won 6 games this year against 4 games won last year. What percent increase?

No. of games won last year = 4

No. of games won this year = 6

$$\therefore \text{increased this year} = \frac{6-4}{4} \times 100\%$$

$$= \frac{2}{4} \times 100\%$$

$$= \frac{200}{2} = 100\%$$

$$= 50\%$$

$$= 50\%$$

5. 300 students took an exam.

28% failed. Calculate the number of students who passed the exam.

$$\text{No. of students} = 300$$

28% failed

$$\begin{aligned}\text{No. of students failed} &= 300 \times \frac{28}{100} \\ &= 84\end{aligned}$$

$$\begin{aligned}\text{No. of students passed} &= (300 - 84) \\ &= \cancel{216} \\ &= 216\end{aligned}$$

6. Out of 15000 voters in a constituency, 60% voted. Find the number of voters who did not vote.

Total number of voters 15000

No. of persons who ~~not~~ ~~not~~ voted

$$\begin{aligned}&= 15000 \times \frac{60}{100} \\ &= 9000\end{aligned}$$

No. of person who did not vote

$$\begin{aligned}&= 15000 - 9000 \\ &= 6000\end{aligned}$$

7

Mohini saved ₹ 400 from her salary. If this is 10% of her salary, then what is her salary?

Let ₹ x be her salary

$$\begin{aligned}\text{Her savings} &= x \times 10\% \\ &= \frac{x \times 10}{100} \\ &= \frac{x}{10}\end{aligned}$$

$$\begin{aligned}\text{A/Q} \quad \frac{x}{10} &= 400 \\ x &= 4000\end{aligned}$$

8/ 16% of the apple in a basket go bad. If there are 42 good apples in the basket, Find the total number of apples in the basket?

Let x be total number of apples.

$$\begin{aligned}\text{No. of good apples} &= x \times 16\% \\ &= \frac{16x}{100} = \frac{4x}{25}\end{aligned}$$

$$\begin{aligned}x - \frac{4x}{25} \\ &= \frac{25x - 4x}{25} \\ &= \frac{21x}{25}\end{aligned}$$

$$\begin{aligned}\text{A/Q} \quad \frac{21x}{25} &= 42 \\ x &= \frac{42 \times 25}{21} = 50\end{aligned}$$

~~The~~ Ans! - No. of good apples = 50