



PERCENTAGES

'Word Problems'

Word problems having percentages are easy to solve. You just have to understand and analyze the problem and solve it accordingly.

Let's look at the example below to understand properly.

Example:

There are 25 balls in the basket. 20 balls are green. What percentage of the balls is green?

Solution:

Number of green balls = 15

Total balls = 25

$$\text{Percentage of green balls} = \frac{20 \times 4}{25 \times 4} = \frac{80}{100} = \mathbf{80\%}$$

Example:

There are 40 children in the class. Among them, 25% are girls. What is the number of girls in the class?

Solution:

We will multiply the total number of children in the class with the percentage of girls to get to the final answer.

$$25\% \text{ of } 40 = \frac{25}{100} \times 40 = \frac{1}{4} \times 40 = \mathbf{10}$$

So there are 10 girls in the class.