

Percentages of a Quantity

NOTES:

To find the percentage of a number

1. Write the percentage as a fraction
2. Change 'of' to a multiplication sign

Example Find:

$$\begin{aligned} \text{a) } 30\% \text{ of } 100 \text{ kg} &= \frac{3}{10} \times 100 \\ &= \frac{300}{10} \\ &= 30 \text{ kg} \end{aligned}$$

$$\begin{aligned} \text{b) } 25\% \text{ of } 200 \text{ m} &= \frac{1}{4} \times 200 \\ &= \frac{200}{4} \\ &= 50 \text{ m} \end{aligned}$$

Skills: Without using a calculator, find:

1. 20% of 1400 mm =
2. 60% of 400 mins =
3. 25% of 40 hectares =
4. 15% of \$300 =

Application:

Jim has to pay 30% tax on his income of \$60 000. What is the amount of tax Jim is required to pay?