

## Percentage of an amount

### Examples and Notes

Find 25% of 200

#### Method 1

$$\begin{aligned}10\% \text{ of } 200 &= 20 \\20\% \text{ of } 200 &= 40 \\5\% \text{ of } 200 &= 10 \\25\% \text{ of } 200 &= 40+10 = \textcolor{red}{50}\end{aligned}$$

#### Method 2

$$\begin{aligned}50\% \text{ of } 200 &= 100 \\25\% \text{ of } 200 &= \textcolor{red}{50}\end{aligned}$$

#### Method 3 (calculator)

$$\begin{aligned}25\% &= 0.25 \\0.25 \times 200 &= \textcolor{red}{50}\end{aligned}$$

This method is suitable for finding percentage increase or decrease

### Exercise

1. Find 35% of 300

2. What is 80% of 120?

3. Work out 45% of 250

4. Find 125% of 300.

5. What is 12.5% of 150?

6. Work out 22% of 150.

7. Work out 74% of 223 kg

8. Find 21% of  $\frac{2}{3}$  of £450

### Challenge

Which is larger 45% of 350 or 35% of 400?

