

## Percentages

### Calculating percentages

#### 1. Use fractions

25% is  $\frac{1}{4}$  - you just need to know this

$$25\% \text{ of } x = \frac{x}{4}$$

#### 2. Use 10%

$$10\% = \frac{1}{10}$$

so 25% is 2 lots of 10% and one of 5%

Example - 25% of 40 is

$$10\% \text{ of } 40 = 4$$

$$10\% \text{ of } 40 = 4$$

$$5\% \text{ of } 40 = 2 \text{ (half of 10\%)}$$

and the answer is  $4+4+2=10$

(which makes sense - see method 1)

#### 3. Use hundredths

$$25\% = \frac{25}{100}$$

Divide by 100 and multiply by 25