

## Day 2, Challenge 1

Convert the following measurements, using the example below.

# Metric Units — 1

Metric units include metres, grams and millilitres. Some units measure the same thing, e.g. centimetres and metres both measure distance. You need to be able to change between such units — this is called converting units.

### Example

Convert 300 cm into m.

$$1 \text{ m} = 100 \text{ cm}$$

$$300 \div 100 = 3$$

$$\text{So } 300 \text{ cm} = \mathbf{3 \text{ m}}$$

Convert 8300 g to kg.

$$1 \text{ kg} = 1000 \text{ g}$$

$$8300 \div 1000 = 8.3$$

$$\text{So } 8300 \text{ g} = \mathbf{8.3 \text{ kg}}$$

Convert 2.35 litres into ml.

$$1 \text{ litre} = 1000 \text{ ml}$$

$$2.35 \times 1000 = 2350$$

$$\text{So } 2.35 \text{ litres} = \mathbf{2350 \text{ ml}}$$



### Set A

Convert the following:

- 1 5000 ml to litres
- 2 4.6 kg to g
- 3 6.7 m to cm
- 4 320 mm to cm
- 5 15 litres to ml
- 6 9.8 km to m
- 7 118 mm to cm

Find the missing values:

- 8 25 litres =  ml
- 9 2300 m =  km
- 10 8.54 kg =  g
- 11 570 mm =  cm
- 12 1400 cm =  m
- 13 15 000 m =  km
- 14 405 mm =  cm