

## Key Vocabulary

mass

gram

kilogram

capacity

volume

millilitre

litre

millimetre

centimetre

kilometre

foot

inch

ounce

pound

stone

pint

gallon

## Converting Mass

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

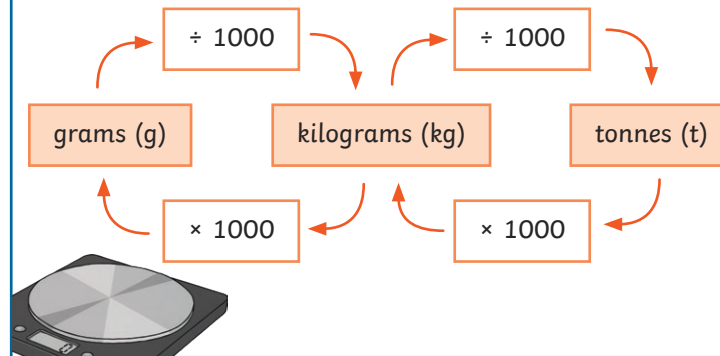
$$1000\text{g} = 1\text{kg}$$

$$\frac{1}{10} \text{ kg} = 0.1\text{kg} = 100\text{g}$$

$$\frac{1}{4} \text{ kg} = 0.25\text{kg} = 250\text{g}$$

$$\frac{1}{2} \text{ kg} = 0.5\text{kg} = 500\text{g}$$

$$\frac{3}{4} \text{ kg} = 0.75 = 750\text{g}$$



## Converting Capacity

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

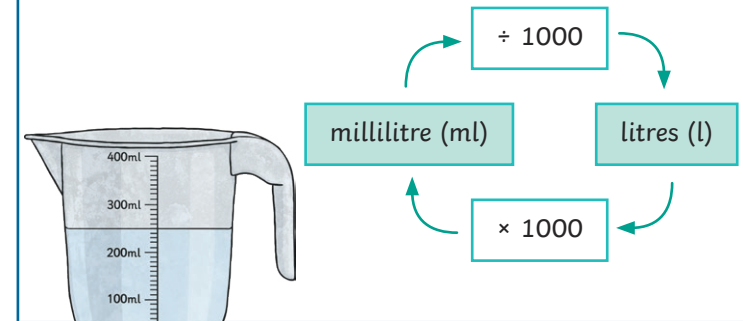
$$\frac{1}{10} \text{ l} = 0.1\text{l} = 100\text{ml}$$

$$\frac{1}{4} \text{ l} = 0.25\text{l} = 250\text{ml}$$

$$\frac{1}{2} \text{ l} = 0.5\text{l} = 500\text{ml}$$

$$\frac{3}{4} \text{ l} = 0.75\text{l} = 750\text{ml}$$

$$\frac{1}{100} \text{ l} = 0.01\text{l} = 10\text{ml}$$



## Converting Length

$$1000\text{m} = 1\text{km}$$

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

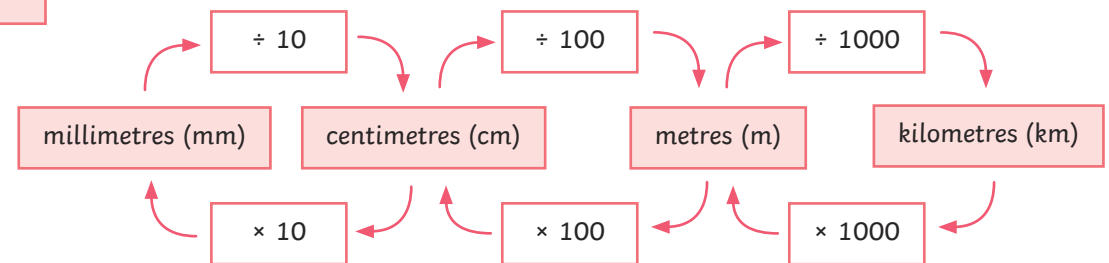
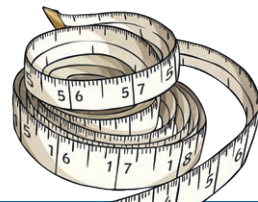
$$10\text{mm} = 1\text{cm}$$

$$\frac{1}{2} \text{ m} = 0.5\text{m} = 50\text{cm}$$

$$\frac{1}{4} \text{ m} = 0.25\text{m} = 25\text{cm}$$

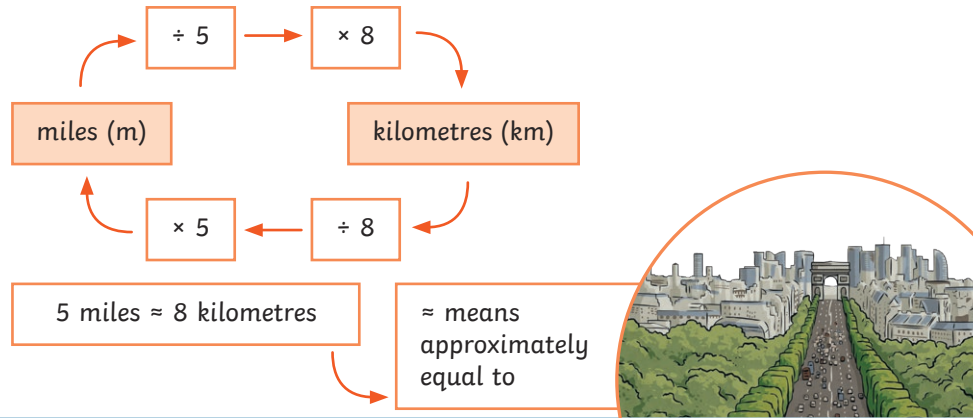
$$\frac{3}{4} \text{ m} = 0.75\text{m} = 75\text{cm}$$

$$\frac{1}{10} \text{ m} = 0.01\text{m} = 10\text{cm}$$



## Miles to Kilometres

You might measure the length of a road or the distance between two cities in miles or kilometres.



## Time

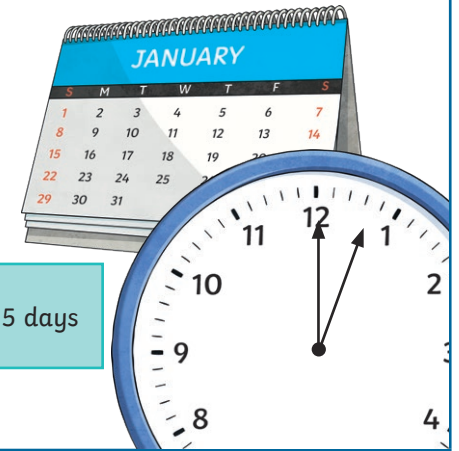
**Minute** 1 minute = 60 seconds

**Hour** 1 hour = 60 minutes

**Day** 1 day = 24 hours

**Week** 1 week = 7 days

**Year** 1 year = 12 months = 52 weeks = 365 days



## Imperial Measures

Things that could be measured using imperial units:

- Someone's height in feet and inches
- The mass of a bag of sugar in ounces
- The mass of a sack of potatoes in pounds
- A person's mass in stones
- A carton of milk in pints
- The amount of water in a bath in gallons

1 foot = 12 inches  
 1 pound = 16 ounces  
 1 stone = 14 pounds  
 1 gallon = 8 pints

## Metric to Imperial Conversions

| metric (new)    | imperial (old) |
|-----------------|----------------|
| 2.5 centimetres | 1 inch         |
| 1 kilogram      | 2.2 pounds     |
| 4.5 litres      | 1 gallon       |

