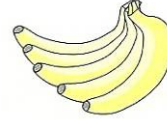


METRIC AND IMPERIAL MEASURES

You can measure **length**, **mass** and **capacity** using **metric** and **imperial units**.

You can **convert** between metric units by multiplying or dividing by 10, 100, 1000, ...



1 lb of bananas

Paris
40 km

- **Length** is a measure of distance.

Metric units		Imperial units	Equivalents
millimetre (mm)	10 mm = 1 cm	inch (")	5 miles ≈ 8 km
centimetre (cm)	100 cm = 1 m	foot (')	1 inch ≈ 2.5 cm
metre (m)	1000 m = 1 km	yard (3 ft = 1 yd)	1 yard ≈ 1 m
kilometre (km)		mile	1 foot ≈ 30 cm

1 metre is a bit longer than 1 yard

≈ means approximately equal to

- **Mass** is a measure of the amount of matter in an object. Mass is linked to weight.

Metric units		Imperial units	Equivalents
gram (g)	1000 g = 1 kg	ounce (oz)	1 ounce ≈ 30 g
kilogram (kg)	1000 kg = 1 tonne	pound (lb)	1 kg ≈ 2.2 lb
tonne (t)		stone	
		ton	



1 lb of jam



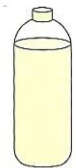
1 kg of sugar

- **Capacity** is a measure of the amount of liquid a 3-D shape will hold.

Metric units		Imperial units	Equivalents
millilitre (ml)	1000 ml = 1 litre	pint	1 pint ≈ 600 ml
centilitre (cl)	100 cl = 1 litre	gallon	1.75 pints ≈ 1 litre
litre			1 gallon ≈ 4.5 litres



1 pint of milk



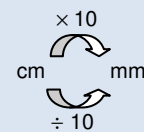
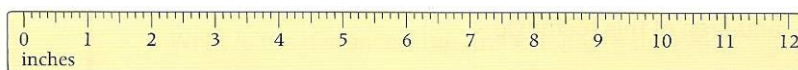
1 litre of lemonade

Example:

Calculate the approximate length of a 12 inch ruler in

a) centimetres

b) millimetres



a) 1" ≈ 2.5 cm

12" ≈ 2.5 × 12 = 30 cm

b) 1 cm = 10 mm

30 cm ≈ 30 × 10 = 300 mm