


Key vocabulary	Definition
convert	change
mass	the amount of matter in an object (often called 'weight')
weight	how heavy something is
gram (g)	unit for measuring mass
kilogram (kg)	unit for measuring mass
capacity	the amount a container can hold
volume	the amount of space an object takes up
millilitre (ml)	unit for measuring capacity or fluid
centilitre (cl)	unit for measuring capacity or fluid
litre (l)	unit for measuring capacity or fluid
millimetre (mm)	unit for measuring length
centimetre (cm)	unit for measuring length
kilometre (km)	unit for measuring length

Converting Mass

1 tonne > 1000kg
1000g > 1kg
 $\frac{1}{10}$ kg > 0.1kg > 100g

$\frac{1}{4}$ kg > 0.25kg > 250g
 $\frac{1}{2}$ kg > 0.5kg > 500g
 $\frac{3}{4}$ kg > 0.75 > 750g

grams (g) kilograms (kg) tonnes (t)




Converting Capacity

1000ml > 1l
 $\frac{1}{10}$ l > 0.1l > 100ml
 $\frac{1}{4}$ l > 0.25l > 250ml

$\frac{1}{2}$ l > 0.5l > 500ml
 $\frac{3}{4}$ l > 0.75l > 750ml
 $\frac{1}{100}$ l > 0.01l > 10ml

millilitre (ml) litres (l)




Converting Length

1000m > 1km
100cm > 1m
10mm > 1cm

$\frac{1}{2}$ m > 0.5m > 50cm
 $\frac{1}{4}$ m > 0.25m > 25cm

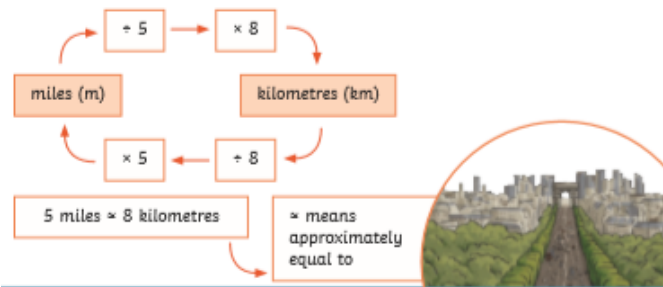
$\frac{3}{4}$ m > 0.75m > 75cm
 $\frac{1}{10}$ m > 0.01m > 10cm

millimetres (mm) centimetres (cm) metres (m) kilometres (km)



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

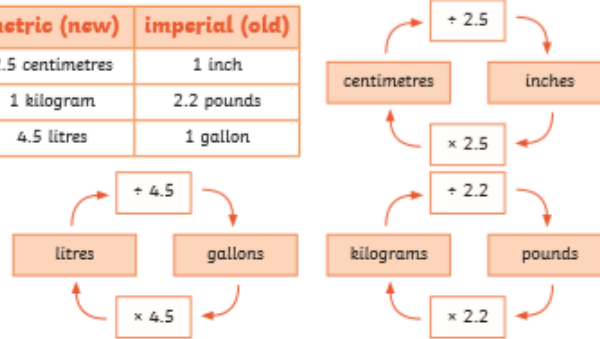
Things that could be measured using imperial units:

- 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



Prior Knowledge

Minute 1 minute = 60 seconds 	Hour 1 hour = 60 minutes 	Day 1 day = 24 hours 	Week 1 week = 7 days 	Fortnight 1 fortnight = 2 weeks 	Month January = 31 days February = 28 days (29 in a leap year) March = 31 days April = 30 days May = 31 days June = 30 days July = 31 days August = 31 days September = 30 days October = 31 days November = 30 days December = 31 days
Year 1 year = 12 months = 52 weeks = 365 days 	Leap Year 1 leap year = 366 days 	Decade 1 decade = 10 years 	Century 1 century = 100 years 	Millennium 1 millennium = 1000 years 	