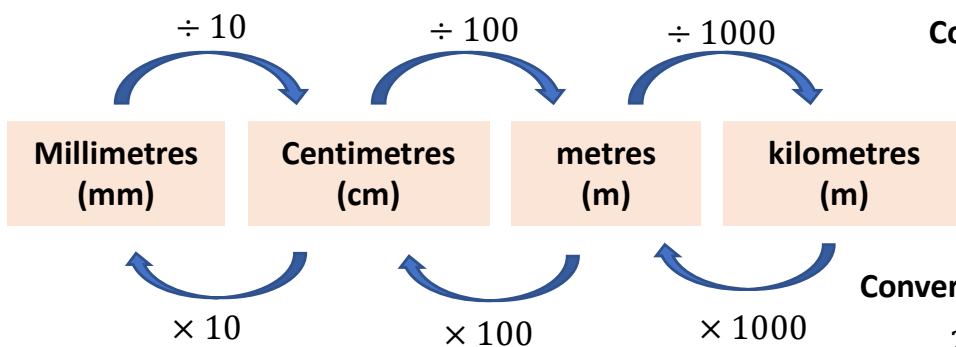


Units of Length

Some to know:

- 1 cm = 10mm
- 1 m = 100 cm
- 1 km = 1000 m



Convert 3.2m into mm

$$3.2m = 320cm$$

$$320cm = 3200mm$$

Convert 25200cm into km

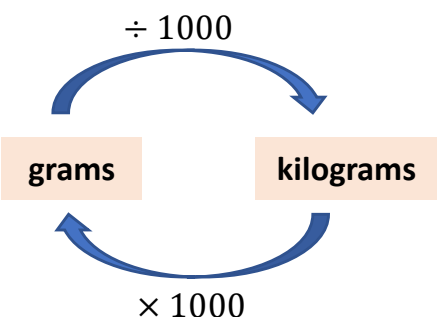
$$25200cm = 252m$$

$$252m = 0.252km$$

Its better to not skip a unit. If converting a unit in cm to km. It is better to go from cm to metres, then metres to km.

Units of Weight

1 kg = 1000grams



$$4255g = 4.255 kg$$



Divide by a 1000 by moving the decimal point to the left 3 places.

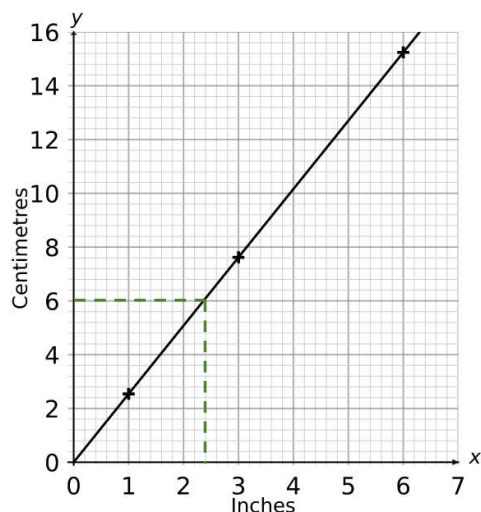
Conversion Factor

Conversion factors tell you how to convert from one unit to another.

$$1 kg = 35.274 ounces$$

The conversion factor is 35.274. Multiply the number of kg by this to find the weight in ounces.

Conversion Graphs



You can use this conversion graph to convert between inches and cm.

From the graph: $6 cm = 2.4 inches$

Units for Capacity

1 litre = 1000 ml

Always check the units are consistent. Don't get mixed up with cm or m, always convert to make sure they are the same.

Speed Distance Time

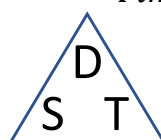
From the Triangle, you get three equations:

$$Speed = \frac{Distance}{Time}$$

$$1. Speed = \frac{Distance}{Time}$$

$$2. Time = \frac{Distance}{Speed}$$

$$3. Distance = Speed \times Time$$



Density Volume Mass

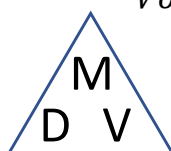
From the Triangle, you get three equations:

$$Density = \frac{Mass}{Volume}$$

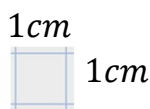
$$1. Density = \frac{Mass}{Volume}$$

$$2. Volume = \frac{Mass}{Density}$$

$$3. Mass = Density \times Volume$$



Units for Area



Each square is 1cm by 1cm so they each have an area of $1cm^2$ the unit of area where the sides are measured in cm is cm^2

Other units of area are mm^2, m^2, km^2

Units for Volume

Each cube is 1cm by 1cm by 1cm so they each have a volume of $1cm^3$ the unit of volume where the edges are measured in cm is cm^3

