

<b>Linear measure</b>	
1 kilometre (km)	= 1000 metres (m)
1 metre (m)	= 100 centimetres (cm) or 1000 millimetres (mm)
1 centimetre (cm)	= 10 millimetres (mm)
1 millimetre (mm)	= 1000 micrometres ( $\mu\text{m}$ )
1 micrometre (mm)	= 1000 nanometres (nm)
<b>Conversions</b>	
Metric	Imperial
1 metre (m)	= 39.370 inches (in)
1 centimetre (cm)	= 0.3937 inches (in)
30.48 centimetres (cm)	= 1 foot (ft)
2.54 centimetres (cm)	= 1 inch (in)
<b>Volume</b>	
1 litre (L)	= 1000 millilitres (mL)
1 millilitre (mL)	= 1000 microlitres ( $\mu\text{L}$ )
<b>Conversions</b>	
Metric	Imperial
1 litre (L)	= 1.76 pints (pt)
568.25 millilitres (mL)	= 1 pint (pt)
28.4 millilitres (mL)	= 1 fluid ounce (fl oz)
<b>Mass</b>	
1 kilogram (kg)	= 1000 grams (g)
1 gram (g)	= 1000 milligrams (mg)
1 milligram (mg)	= 1000 micrograms ( $\mu\text{g}$ )
1 microgram (mg)	= 1000 nanograms (ng)
<b>Conversions</b>	
Metric	Imperial
1 kilogram (kg)	= 2.204 pounds (lb)
1 gram (g)	= 0.0353 ounce (oz)
453.59 grams (g)	= 1 pound (lb)
28.34 grams (g)	= 1 ounce (oz)

<b>The Prefixes Used with SI Units</b>			
Prefix	Symbol	Meaning	Scientific Notation
<i>exa-</i>	E	1,000,000,000,000,000,000	$10^{18}$
<i>peta-</i>	P	1,000,000,000,000,000	$10^{15}$
<i>tera-</i>	T	1,000,000,000,000	$10^{12}$
<i>giga-</i>	G	1,000,000,000	$10^9$
<i>mega-</i>	M	1,000,000	$10^6$
<i>kilo-</i>	k	1,000	$10^3$
<i>hecto-</i>	h	100	$10^2$
<i>deka-</i>	da	10	$10^1$
—	—	1	$10^0$
<i>deci-</i>	d	0.1	$10^{-1}$
<i>centi-</i>	c	0.01	$10^{-2}$
<i>milli-</i>	m	0.001	$10^{-3}$
<i>micro-</i>	$\mu$	0.000 001	$10^{-6}$
<i>nano-</i>	n	0.000 000 001	$10^{-9}$
<i>pico-</i>	p	0.000 000 000 001	$10^{-12}$
<i>femto-</i>	f	0.000 000 000 000 001	$10^{-15}$
<i>atto-</i>	a	0.000 000 000 000 000 001	$10^{-18}$