



Year 6

Key Instant Recall Facts (KIRFS) - I can recall metric conversions

Converting Mass

$1 \text{ tonne} = 1000\text{kg}$ $1000\text{g} = 1\text{kg}$ $\frac{1}{10} \text{ kg} = 0.1\text{kg} = 100\text{g}$	$\frac{1}{4} \text{ kg} = 0.25\text{kg} = 250\text{g}$ $\frac{1}{2} \text{ kg} = 0.5\text{kg} = 500\text{g}$ $\frac{3}{4} \text{ kg} = 0.75 = 750\text{g}$
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Conversion diagram for mass:

- grams (g) to kilograms (kg): $\div 1000$
- kilograms (kg) to tonnes (t): $\div 1000$
- tonnes (t) to kilograms (kg): $\times 1000$
- kilograms (kg) to grams (g): $\times 1000$

Converting Capacity

$1000\text{ml} = 1\text{l}$ $\frac{1}{10} \text{ l} = 0.1\text{l} = 100\text{ml}$ $\frac{1}{4} \text{ l} = 0.25\text{l} = 250\text{ml}$	$\frac{1}{2} \text{ l} = 0.5\text{l} = 500\text{ml}$ $\frac{3}{4} \text{ l} = 0.75\text{l} = 750\text{ml}$ $\frac{1}{100} \text{ l} = 0.01\text{l} = 10\text{ml}$
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Conversion diagram for capacity:

- millilitre (ml) to litres (l): $\div 1000$
- litres (l) to millilitre (ml): $\times 1000$

Help at home

When learning key recall facts it is important to do so little but often. Remembering all the conversions can sometimes be tricky, but there are little tips and tricks.

Kilo means 1 thousand.

Milli means 1 thousandth.

Cent means 1 hundred.

Converting Length

$1000\text{m} = 1\text{km}$ $100\text{cm} = 1\text{m}$ $10\text{mm} = 1\text{cm}$	$\frac{1}{2} \text{ m} = 0.5\text{m} = 50\text{cm}$ $\frac{1}{4} \text{ m} = 0.25\text{m} = 25\text{cm}$	$\frac{3}{4} \text{ m} = 0.75\text{m} = 75\text{cm}$ $\frac{1}{10} \text{ m} = 0.1\text{m} = 10\text{cm}$
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Conversion diagram for length:

- millimetres (mm) to centimetres (cm): $\div 10$
- centimetres (cm) to metres (m): $\div 100$
- metres (m) to kilometres (km): $\div 1000$
- kilometres (km) to metres (m): $\times 1000$
- metres (m) to centimetres (cm): $\times 100$
- centimetres (cm) to millimetres (mm): $\times 10$