



WALT



WALT convert metric measures

I can:

- ✓ identify appropriate units of measure.
- ✓ multiply and divide by 10, 100, 1000.
- ✓ use the correct calculation to convert.

GET READY



1) Circle the most appropriate unit.

Length can be measured in l / m / g

Mass can be measured in ml / kg / km

Capacity can be measured in l / g / cm

2) Match each item to a sensible estimate.

A can of pop 335 ml

A tin of paint 5 ml

A teaspoon of medicine 5 l

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LET'S LEARN



Which of these prefixes do you know?

Milli *One thousandth* $\frac{1}{1000}$

Centi *One hundredth* $\frac{1}{100}$

Kilo *One thousand* 1,000

Milli metre

One thousandth of a metre

$$1 \text{ mm} = \frac{1}{1000} \text{ m}$$

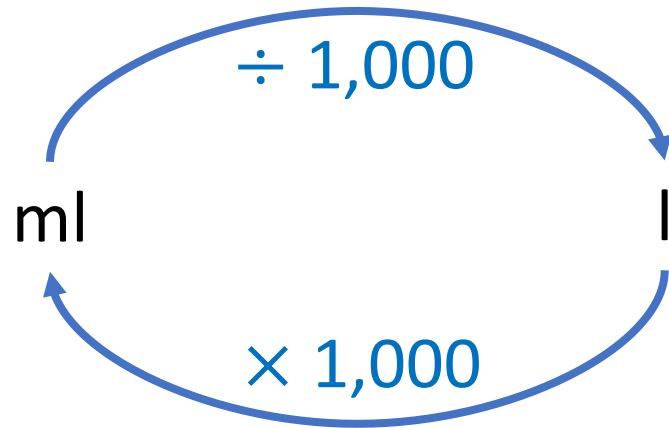
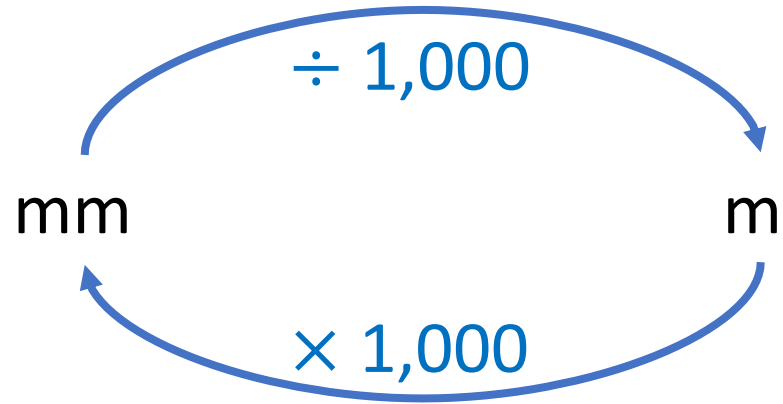
$$1 \text{ mm} = 0.001 \text{ m}$$

Milli litre

One thousandth of a litre

$$1 \text{ ml} = \frac{1}{1000} \text{ litre}$$

$$1 \text{ ml} = 0.001 \text{ litre}$$





Have a think

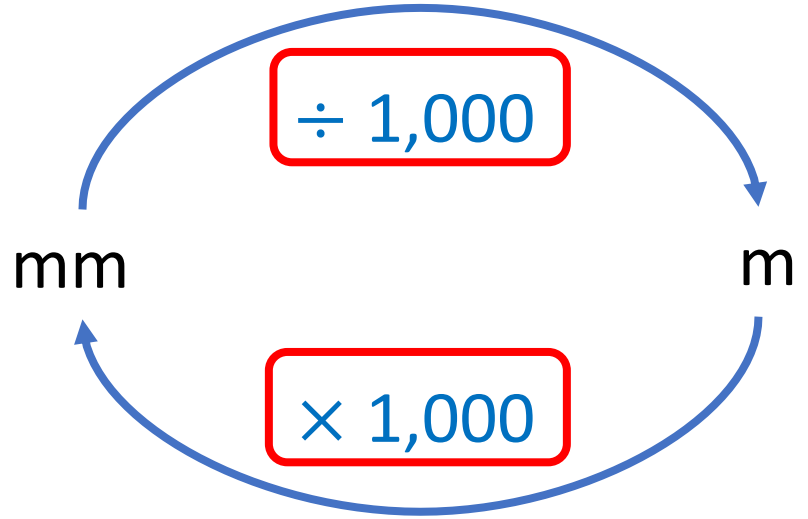
$2 \div 1,000$

2 mm = m

mm = 2 m

$2 \times 1,000$

mm = 0.5 m



What will stay the same?

What will change? Have a think



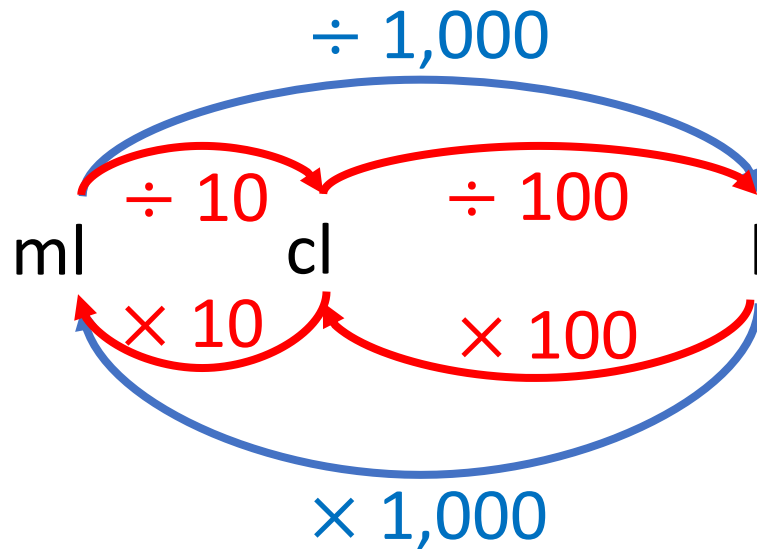
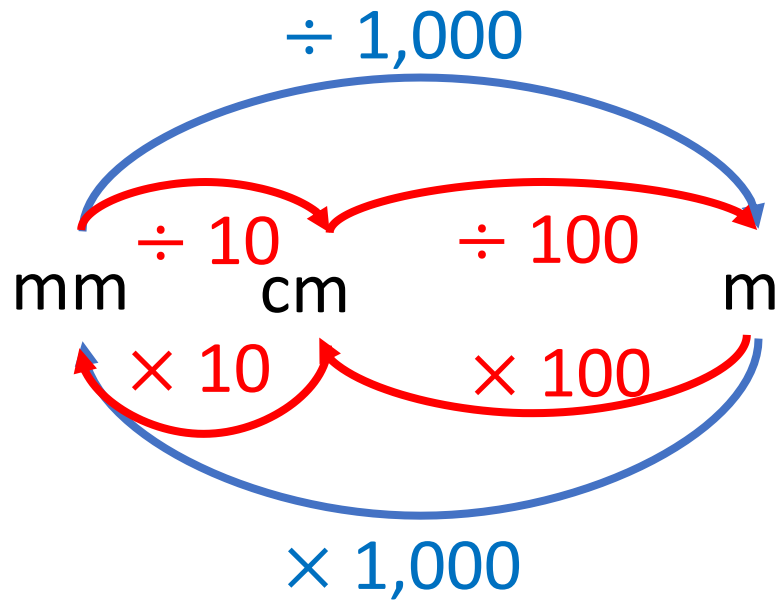
$2 \text{ mm} = 0.002 \text{ m}$ $2 \text{ ml} = \boxed{} \text{ l}$
mm m

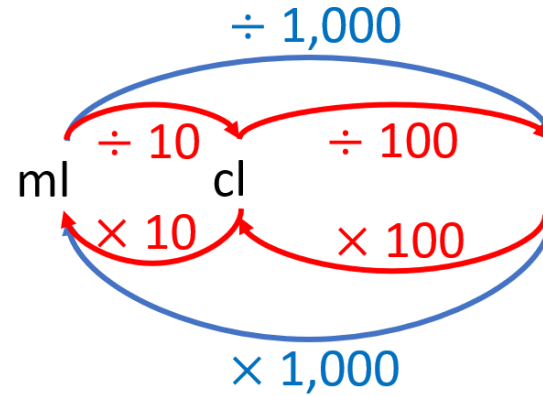
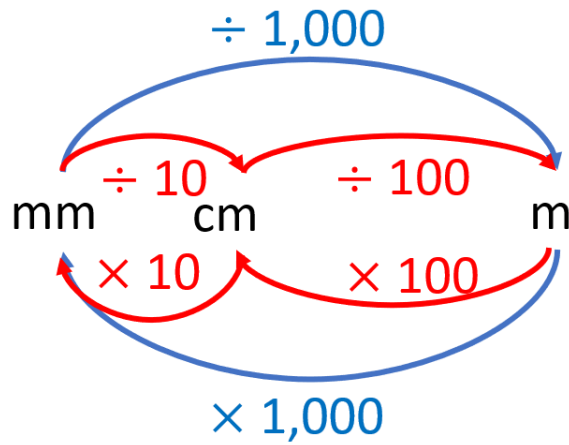
$2,000 \text{ mm} = 2 \text{ m}$ $\boxed{} \text{ ml} = 2 \text{ l}$
mm m ml l

$50 \text{ mm} = 0.05 \text{ m}$ $50 \text{ ml} = \boxed{} \text{ l}$
mm m ml l

$500 \text{ mm} = 0.5 \text{ m}$ $\boxed{} \text{ ml} = 0.5 \text{ l}$
mm m ml l

Conversion factors shown: $\div 1,000$ and $\times 1,000$ with arrows indicating the direction of conversion.





$$\boxed{} \text{ cm} = 3 \text{ m}$$

$$2 \text{ l} = \boxed{} \text{ ml}$$

$$305 \text{ cm} = \boxed{} \text{ m}$$

$$\boxed{} \text{ cl} = 0.35 \text{ l}$$

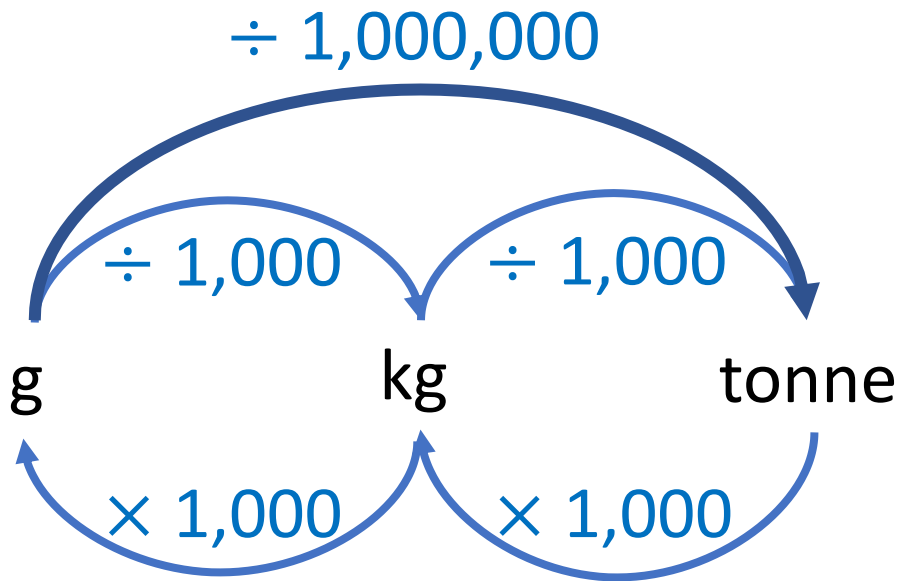
Have a think





A large car might have a mass of around 2 tonnes.

1 tonne is 1,000 kilograms



1 kilogram = 1,000 grams

YOUR TURN

Have a go at the questions
on the worksheet

