

## Metric Conversions

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**Tip! Kilo means Thousand!**

### Length

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

*Tip! To convert from km to m  $\times$  by 1000*

(1) Convert each of the following:

- (a) 2km into metres
- (b) 5km into metres
- (c) 10km into metres
- (d) 1.5km into metres

*Tip! To convert from m to km  $\div$  by 1000*

(2) Convert each of the following:

- (a) 500 metres into km
- (b) 600 metres into km
- (c) 1100 metres into km
- (d) 780m into km

*Tip! To convert from m to cm  $\times$  by 100*

(3) Convert each of the following:

- (a) 3 metres into cm
- (b) 6m into cm
- (c) 4.5 metres into cm
- (d) 1.5km into metres

*Tip! To convert from cm to m  $\div$  by 100*

(4) Convert each of the following:

- (a) 40cm to m
- (b) 65cm to m
- (c) 120cm to m
- (d) 250cm to metres

*Tip! To convert from cm to mm  $\times$  by 10*

(5) Convert each of the following:

- (a) 8cm into mm
- (b) 4.5cm into mm
- (c) 16cm into mm
- (d) 1.95cm into mm

*Tip! To convert from mm to cm  $\div$  by 10*

(6) Convert each of the following:

- (a) 60mm into cm
- (b) 21mm into cm
- (c) 150mm into cm
- (d) 174mm into cm

### Mass (weight)

1 tonne = 1000kg  
1kg = 1000g

*Tip! To convert from tonnes to kg  $\times$  by 1000*

(1) Convert each of the following:

- (a) 4 tonnes into kilograms
- (b) 7 tonnes into kilograms
- (c) 5.5 tonnes into kg
- (d) 2.4 tonnes into kg

*Tip! To convert from kg to tonnes  $\div$  by 1000*

(2) Convert each of the following:

- (a) 500kg into tonnes
- (b) 1200kg into tonnes
- (c) 350kg into tonnes
- (d) 670kg into tonnes

*Tip! To convert from kg to g  $\times$  by 1000*

(3) Convert each of the following:

- (a) 3 kilograms to grams
- (b) 9kg to g
- (c) 2.9kg to g
- (d) 5.34kg to g

*Tip! To convert from g to kg  $\div$  by 1000*

(4) Convert each of the following:

- (a) 600g into kg
- (b) 450g into kg
- (c) 1600g into kg
- (d) 980g into kg

### Volume (Capacity)

1 litre = 1000ml  
1cl = 10ml

*Tip! To convert from litres to mm  $\times$  by 1000*

(1) Convert each of the following:

- (a) 6 litres to ml
- (b) 2.5 litres to ml
- (c) 3.4l to ml
- (d) 0.25 litres to ml

*Tip! To convert from mm to litres  $\div$  by 1000*

(2) Convert each of the following:

- (a) 400ml to litres
- (b) 1500ml to litres
- (c) 650ml to litres
- (d) 40ml to litres

*Tip! To convert from cl to mm  $\times$  by 10*

(3) Convert each of the following:

- (a) 6 litres to ml
- (b) 2.5 litres to ml
- (c) 3.4l to ml
- (d) 0.25 litres to ml

*Tip! To convert from mm to cl  $\div$  by 10*

(4) Convert each of the following:

- (a) 100ml to cl
- (b) 250ml to cl
- (c) 50ml to cl
- (d) 45ml to cl