**Metric Conversions**

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### Length

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

**Tip!** To convert from km to m × 1000

1. Convert each of the following:
   - (a) 2km into metres
   - (b) 5km into metres
   - (c) 10km into metres
   - (d) 1.5km into metres

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

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

4. Convert each of the following:
   - (a) 40cm to m
   - (b) 65cm to m
   - (c) 120cm to m
   - (d) 250cm to metres

5. Convert each of the following:
   - (a) 8cm into mm
   - (b) 4.5cm into mm
   - (c) 16cm into mm
   - (d) 1.95cm into mm

### Mass (weight)

| 1 tonne = 1000kg |
| 1kg = 1000g |

**Tip!** To convert from tonnes to kg × 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

2. Convert each of the following:
   - (a) 500kg into tonnes
   - (b) 1200kg into tonnes
   - (c) 350kg into tonnes
   - (d) 670kg into tonnes

3. Convert each of the following:
   - (a) 3 kilograms to grams
   - (b) 9kg to g
   - (c) 2.9kg to g
   - (d) 5.3kg to g

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 × 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

2. Convert each of the following:
   - (a) 400ml to litres
   - (b) 1500ml to litres
   - (c) 650ml to litres
   - (d) 40ml to litres

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

4. Convert each of the following:
   - (a) 100ml to cl
   - (b) 250ml to cl
   - (c) 50ml to cl
   - (d) 45ml to cl