



Year 6 Converting Units

Key Vocabulary	Converting Mass	Converting Capacity
mass	<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px; width: 45%;"> <p>1 tonne = 1000kg</p> <p>1000g = 1kg</p> <p>$\frac{1}{10}$ kg = 0.1kg = 100g</p> </div> <div style="border: 1px solid black; padding: 5px; width: 45%;"> <p>$\frac{1}{4}$ kg = 0.25kg = 250g</p> <p>$\frac{1}{2}$ kg = 0.5kg = 500g</p> <p>$\frac{3}{4}$ kg = 0.75 = 750g</p> </div> </div> <div style="text-align: center; margin-top: 20px;"> <pre> graph TD g[grams (g)] -- "÷ 1000" --> kg[kilograms (kg)] kg -- "÷ 1000" --> t[tonnes (t)] t -- "× 1000" --> kg kg -- "× 1000" --> g </pre> </div> <div style="text-align: center; margin-top: 10px;"> </div>	<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px; width: 45%;"> <p>1000ml = 1l</p> <p>$\frac{1}{10}$ l = 0.1l = 100ml</p> <p>$\frac{1}{4}$ l = 0.25l = 250ml</p> </div> <div style="border: 1px solid black; padding: 5px; width: 45%;"> <p>$\frac{1}{2}$ l = 0.5l = 500ml</p> <p>$\frac{3}{4}$ l = 0.75l = 750ml</p> <p>$\frac{1}{100}$ l = 0.01l = 10ml</p> </div> </div> <div style="text-align: center; margin-top: 20px;"> <pre> graph TD ml[millilitre (ml)] -- "÷ 1000" --> l[litres (l)] l -- "× 1000" --> ml </pre> </div> <div style="text-align: center; margin-top: 10px;"> </div>
gram		
kilogram		
capacity		
volume		
millilitre		
litre		
millilitre		
centimetre		
kilometre		
foot		
inch		
ounce		
pound		
stone		
pint		
gallon		

Converting Length

$$1000\text{m} = 1\text{km}$$

$$100\text{cm} = 1\text{m}$$

$$10\text{mm} = 1\text{cm}$$

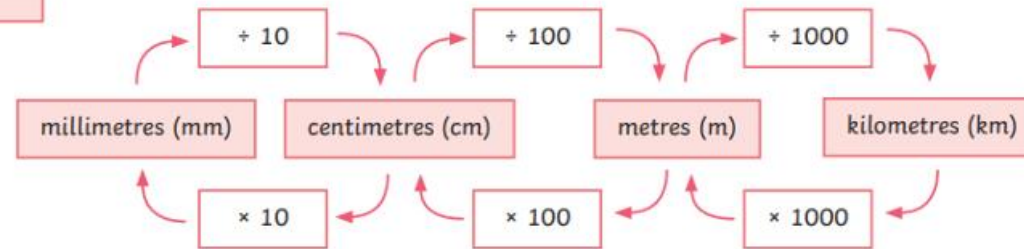


$$\frac{1}{2}\text{m} = 0.5\text{m} = 50\text{cm}$$

$$\frac{1}{4}\text{m} = 0.25\text{m} = 25\text{cm}$$

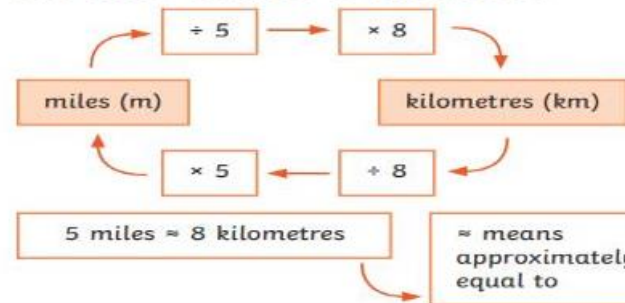
$$\frac{3}{4}\text{m} = 0.75\text{m} = 75\text{cm}$$

$$\frac{1}{10}\text{m} = 0.1\text{m} = 10\text{cm}$$



Miles to Kilometres

You might measure the length of a road or the distance between two cities in miles or kilometres.



Time

Minute 1 minute = 60 seconds

Hour 1 hour = 60 minutes

Day 1 day = 24 hours

Week 1 week = 7 days

Year 1 year = 12 months = 52 weeks = 365 days



Imperial Measures

Things that could be measured using imperial units:

- Someone's height in feet and inches
- The mass of a bag of sugar in ounces
- The mass of a sack of potatoes in pounds
- A person's mass in stones
- A carton of milk in pints
- The amount of water in a bath in gallons

1 foot = 12 inches
 1 pound = 16 ounces
 1 stone = 14 pounds
 1 gallon = 8 pints

Metric to Imperial Conversions

metric (new)	imperial (old)
2.5 centimetres	1 inch
1 kilogram	2.2 pounds
4.5 litres	1 gallon

