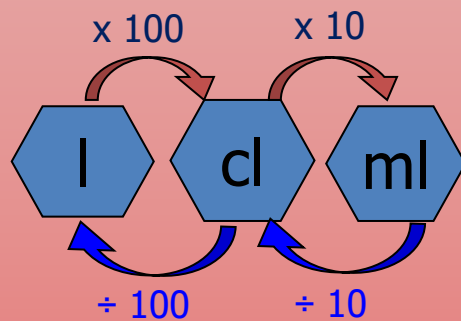


Conversion diagram: Metric units of capacity



4. Key Vocabulary

Capacity	The maximum amount that a container can hold.
Volume	The amount of space that a substance or object occupies.
Convert	To change the units of measurement without a change in the size or amount.
Estimating	Guessing the size of something e.g. 'I think it will be about 500ml'.
Approximating	Rounding an exact measurement e.g. 'the bottle holds 994ml, which is approximately 1l'.
Imperial	Volume measured in pints or gallons.
Metric	Volume measured in millimetres (ml) or litres (l).

3. Converting between litres and millilitres.

Example Question: A bottle holds **1 litre** of lemonade. Rachel fills **5** glasses with lemonade. She puts **150 millilitres** in each glass. How much lemonade is left in the bottle?

Strategy:

1. Convert 1L into millilitres

$$1\text{L} = 1000\text{ml} \quad 1 \times 1000 = 1000$$

2. Multiply the 5 glasses of lemonade by 150, as they each contain 150ml.

$$5 \times 100 = 500 \quad 5 \times 50 = 250$$

$$500 + 250 = 750$$

$$5 \times 15 = 750\text{ml}$$

3. Subtract the amount of lemonade poured from the original amount.

$$1000\text{ml} - 750\text{ml} = 250\text{ml}$$

Answer = 250ml

Conversion facts: Capacity

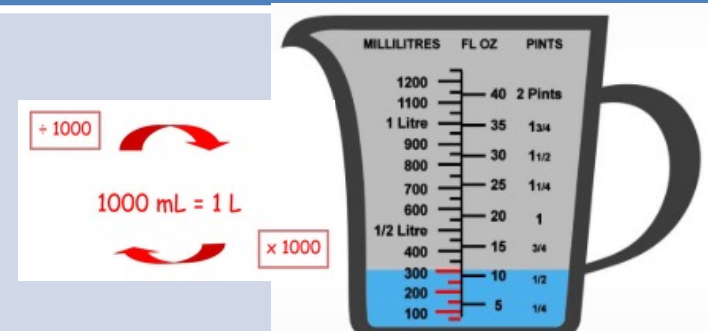
$$1 \text{ litre} = 1000 \text{ ml}$$

$$1 \text{ litre} = 100\text{cl}$$

$$1 \text{ cl} = 10 \text{ ml}$$

$$10\text{cl} = 100\text{ml}$$

2. Litres and millilitres.



To convert from millilitres to litres, you need to divide the number by 1000.

To convert from litres to millilitres, you need to multiply the measurement by 1000.

Some key vocabulary- word origins

Milli	one thousand	Mass	How heavy something is
Centi	one hundredth	Capacity	How much something can hold
Kilo	one thousand	Length	How long or wide something is