

Year 2 – Maths – Measurement: Mass, Capacity and Temperature

Key vocabulary

mass
gram
kilogram
lighter
heavier
capacity
volume
millilitre
litre
temperature
Celsius
degrees

Links to other learning

Year 1 – Compare, describe and solve practical problems for mass/weight; Measure and begin to record the mass/weight of objects.

Year 3 – Measure, compare, add and subtract mass (kg/g) and volume/capacity (l/ml).

Key questions

How many grams are in a kilogram?

Can you think of an example of something we'd measure in grams and/or kilograms?

What is the difference between capacity and volume?

What is a thermometer used for and what unit of measure does it use?

Grams and kilograms



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We use scales to measure **grams**.

A gram is a small unit of measurement that we use to measure how heavy or light something is.

We can write gram as **g**.

We measure the following using grams:



We also use scales to measure **kilograms**.

A kilogram is a larger unit of measurement that we use to measure how light or heavy something is.

We can write kilogram as **kg**.

We measure the following using kilograms:



Capacity

Capacity is the amount of liquid a container can hold.

Volume is how much liquid is in the container.

Millilitres



We can use a measuring cylinder to measure very small volumes.

We measure these in millilitres.
We write this as ml.

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



Litres



We can use a jug to measure larger volumes.

We measure these in litres.
We write this as l.

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



quarter full



half full



full

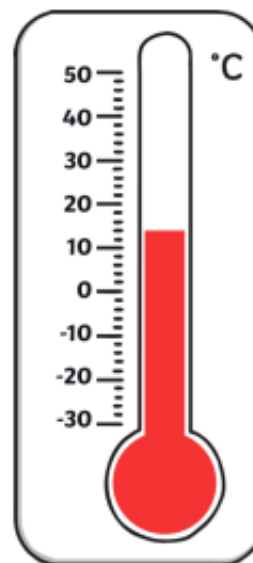
Temperature

Temperature is a measure of heat.

Thermometers are used to measure temperature.

We usually measure temperature in **degrees Celsius (°C)** but some parts of the world use degrees Fahrenheit (°F).

We can measure the temperature of air, liquids or objects using a thermometer.



Most thermometers have small tubes and a bulb of liquid at the bottom. The hotter the temperature, the higher the liquid from the bulb rises in the tube. There are markings along the side of the glass tube that show the temperature.

