



KNOWLEDGE ORGANISER

Year 2

Mass, Capacity & Temperature

What I should already know:

Compare objects by using the language 'heavier' & 'lighter'
Measure & compare mass using non-standard units
Describe the volume in a container using 'full' & 'empty'
Compare volume
Measure capacity using non-standard units

What I should know by the end of this unit:

Compare mass
Measure in grams and kilograms
Solve problems with mass
Compare volume & capacity
Measure in millilitres & litres
Read scales on thermometers & colour thermometers to represent temperatures

Vocabulary

Kilogram (kg)

Standard measure for weight or mass.

Gram (g)

Standard measure for weight or mass.
 $1000\text{ g} = 1\text{ kg}$

weight

How heavy something is.

Capacity

The amount a container can hold.

Litre (l)

Standard measure of capacity or volume.

Millilitre (ml)

Standard measure of capacity or volume.
 $1000\text{ ml} = 1\text{ l}$

Thermometer

Instrument for measuring temperature.

degrees Celsius ($^{\circ}\text{C}$)

Measure for temperature.

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.

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



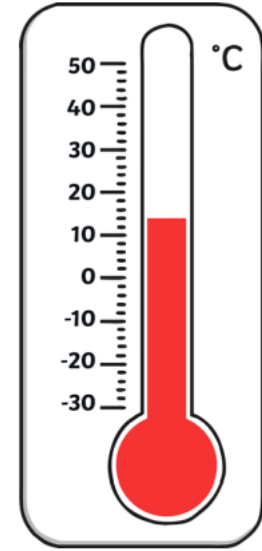
Temperature

Temperature is a measure of heat.

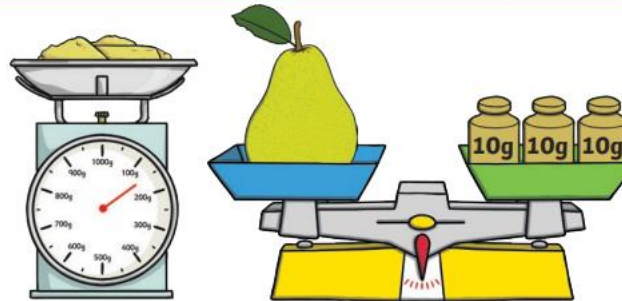
Thermometers are used to measure temperature.

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.



Mass



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 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**.