



### Knowledge

- Millilitres
- Litres
- Temperature

### Skills

- Compare mass
- Measure mass in grams
- Measure mass in kilograms
- Compare volume

### Inspirational Mathematician

#### Glen Johnson (1984-present)

Glen Johnson is a former professional footballer who studied for a maths degree.



"I like challenging myself, finding that will from within to do something different and become better. I've always liked maths. So I thought: 'Why not?' As long as I keep enjoying it, I'll keep doing it."

### Vocabulary

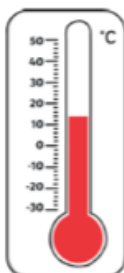
Mass, gram, kilogram, lighter, heavier, capacity, volume, millilitre, litre, temperature, Celsius, degrees, °C, °F

### Temperature

Temperature is the measure of heat. Thermometers are used to measure the 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 thermometers.



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:



### Mass

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 a 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