Maths - Mass, Capacity and Temperature

Lesson sequence

1. Compare mass
2. Measure in grams and kilograms
3. Four operations with mass
4. Compare volume and capacity
5. Measure in millimetres and litres.
6. Four operations with volume and capacity
7. Temperature
8. End of Topic assessment

Key Vocabulary

- scales
- balance
- weight
- kilogram (kg)
- half-kilogram
- gram (g)
- litre (l)
- half-litre
- millilitre (ml)
- temperature (°C)

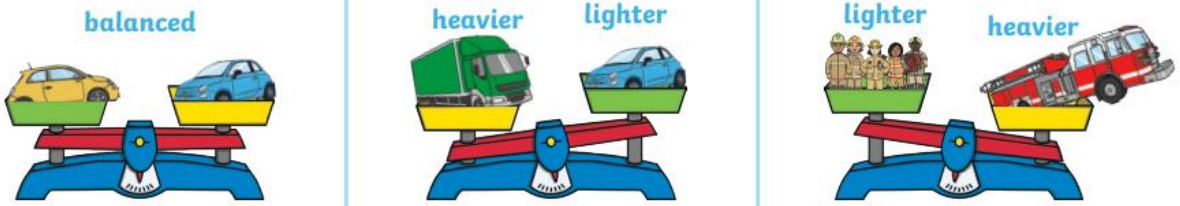
Sticky learning

New Knowledge

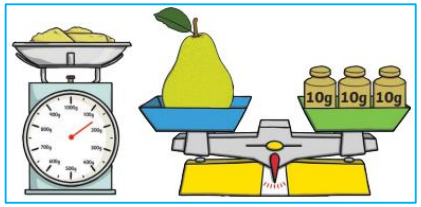
- To know the < sing means less than
- To know the > sing means greater than
- To know the = sign means equals to
- To know that addition of two numbers can be done in any order (commutative)
- **To know that the sum of two numbers is the answer you get when you add them both together**
- **To know the multiplication (×) and division (÷) signs**

New Skills

- To add and subtract numbers using concrete objects, pictorial representations, and mentally
- To compare and order mass, volume/capacity and record the results using >, < and =
- To choose and use appropriate standard units to estimate and measure mass (kg/g) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels
- To choose and use appropriate standard units to estimate and measure temperature (°C) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels
- To choose and use appropriate standard units to estimate and measure capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels
- To compare measures including simple multiples



We use scales to measure **grams**.



We can write gram as **g**.

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

We can write kilogram as **kg**.

We can also write **millilitres** as **ml**.

There are 1000 millilitres in 1 litre.

We can also write **litres** as **l**.

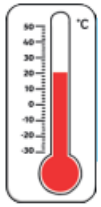
Measuring Temperature

Temperature tells us how **hot** or **cold** something is.

1 **degree Celsius** is a standard unit used to measure **temperature**.

Degrees Celsius can also be written as °C.

We can use thermometers to measure temperature.



Volume

Volume tells us the amount a container **is holding**.

Capacity

Capacity tells us the amount a container **can hold** when full.