Year 2 Maths: Measurement: Mass, Capacity and Temperature

What should I already know?

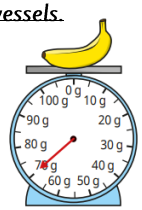
- Compare, describe and solve practical problems for: mass/weight (e.g. full/empty, more than, less than, half, half full, quarter).
- Recording mass/weight, capacity and volume using non-standardised units.

Key Knowledge

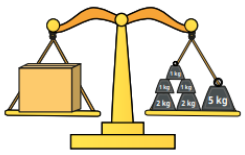
Choose and use the appropriate standard units to estimate and measure mass (kg/g), temperature (°C), capacity (litres/ml) to the nearest appropriate unit, using scales, thermometers and measuring vessels.

The **mass** of the biscuit is 20g.
5g + 5g + 5g + 5g = 20g

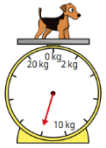
The **mass** of the rubber is 25g.
10g + 10g + 5g = 25g



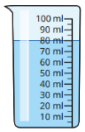
The **mass** of the banana is 70g.



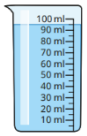
The **mass** of the box is 12kg.
5kg + 2kg + 2kg + 1kg + 1kg + 1kg = 12kg



The **mass** of the dog is 12kg.

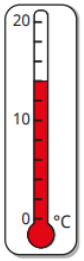


The **volume** of water in the jug is 80ml.



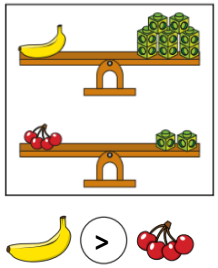
The **volume** of water in the jug is 95ml.

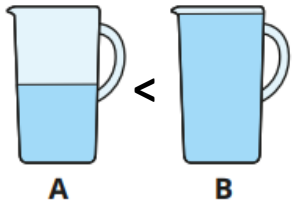
The **volume** of water in the bucket is 3 litres.



The **temperature** on the **thermometer** shows 14°C.

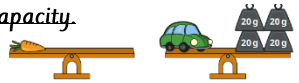
Compare mass, volume/capacity and record the results using <, > and =.



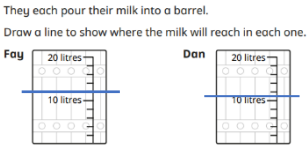


Four operations with mass, volume and capacity.

The total **mass** of the strawberry and the cherry is: 20g + 16g = 36g



The carrot is 40g lighter than the car. The **mass** of the carrot is:
80g – 40g = 40g.



Key Vocabulary and definitions

Mass	Amount of matter or substance an object contains.
Grams (g)	Units of measure for **mass**.
Kilograms (kg)	Units of measure for **mass**.
Volume	The space that a 3D object can hold.
Capactiy	How much liquid such as water fits inside a container.
Millilitres (ml)	Units of measure for **volume** and **capacity**.
Litres (l)	Units of measure for **volume** and **capacity**.
Temperature (°C)	To measure how hot or cold a place/area is.
Themometer	A piece of equiptment used to measure **temperature**.
Scale	Shows you a measure.
Compare	To view something in relation to another e.g., pencil > rubber.
Four operations	Addition (+), subtraction (-), multiplication (x) and division (÷). Language linking to multiplication: **double**. Language linking to division: **half**.

Stem Sentences

The arrow is pointing to _____.
To find the total mass, I need to _____ the mass of _____ and _____.
The volume of liquid in ___ is _____ than the volume of liquid in ___.
1 litre is _____ than 1 mililitre.
The _____ has a mass of _____.
To find the mass of _____, I need to _____ from the total mass.
The capacity of container ___ is _____ than the capacity of container ___.
The temperature of/in ____ is ____ °C.