Overdale Infant School

OAK Multi Academy Trust

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.
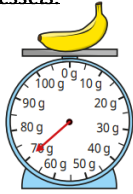
Key Knowledge

Choose and use the appropriate standard units to estimate and measure mass (kg/g), temperature (°C), capacity (litres/ml) to the neaerest appropriate unit, using scales, thermometers and measuring vessels.
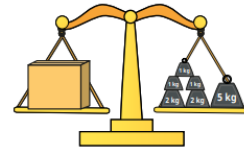
The mass of the biscuit is **20g**.
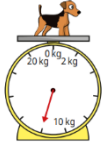$5g + 5g + 5g + 5g = 20g$

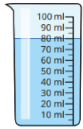The mass of the rubber is **25g**.
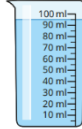$10g + 10g + 5g = 25g$

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

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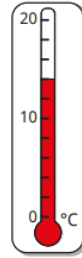
The mass of the dog is **12kg**.

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

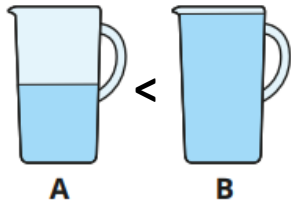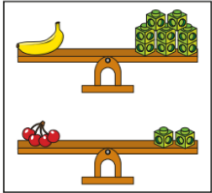The volume of water in the jug is **95ml**.

The volume of water in the bucket is **3 litres**.
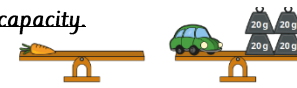
The temperature on the thermometer shows **14°C**.

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

A < B

Four operations with mass, volume and capacity.

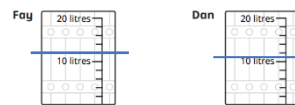The total mass of the strawberry and the cherry is: $20g + 16g = 36g$

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

Fay and Dan both have some milk.
Fay   Dan

They each pour their milk into a barrel.
Draw a line to show where the milk will reach in each one.
Fay   Dan

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.