

Year 2 Block 7 Unit: Mass, capacity and temperature

Key Vocabulary:

| | | | | | | |
|------------|-------|-------------|---------|---------|----------|--------|
| mass | grams | kilogram | lighter | heavier | capacity | volume |
| millilitre | litre | temperature | Celsius | degrees | | |

What will I know by the end of this unit?

Compare mass:

Which object is heavier? Which object is lighter?

The pear is heavier than the sweet. The grape is lighter than the orange.

Measure in grams:

We can measure mass in grams.

1g | 5g | 20g | 50g | 100g

1g = 1 gram

A paperclip has a mass of about 1g.

Measure in kilograms:

What is the mass of the dog?

The arrow is pointing between 14 and 16. The dog has a mass of 15 kg.

Four operations with mass:

How much heavier is the cylinder? $24 - 12 = 12$ g

What is the total mass of the rubber and pencil? $17 + 26 = 43$ g

What is the mass of 6 bags of flour? $2 \times 6 = 12$ kg

What is the mass of 1 cube? $30 \div 5 = 6$ g

Compare volume and capacity:

Volume
The amount of something actually inside a container.

Capacity
The maximum amount that something can hold inside it.

Measure in millilitres:

How much water is in the beaker?

The volume of water in the beaker is 80 ml.

Measure in litres:

How much water is in the bucket?

The volume of water in the bucket is 8 litres.

Four operations with volume and capacity:

How much more water is in A?

$40 - 25 = 15$

What is the total volume of water?

$40 + 25 = 65$ ml

Temperature:

How hot or cold something is. We can measure temperature in "degrees Celsius" or °C. We can use a thermometer to measure temperature.

Sam pours 3 bottles of water into the bucket.

$3 \times 2 = 6$

Show where the water will reach.