

## Year 1 Maths: Measurement: length, height, mass and volume



## What should I already know?

- How to compare length, weight and capacity.
- Objects can be looked at to see if they are long, short, big, small, wide, heavy, light.
- Objects can be compared to see if one is bigger, smaller or if they are the same size.
- That containers can be full, empty or partly full also using vocabulary such as more and less.

## Key Knowledge

Compare and describe practical problems: long/short; longer/shorter; tall, short, double, half, mass, weight, heavy, light, heavier than, lighter than, capacity and volume, full, empty, more than, less than, half, full.









The red ribbon is **shorter** than the green, stripy ribbon.

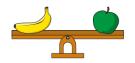
The green, stripy ribbon is **longer** than the red ribbon.

Mr Hall is **taller** than Mo.

Mo is **shorter** than Mr Hall.

The flour is **heavier** than the banana.

The banana is **lighter** than the flour.





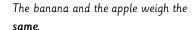








The first glass holds less than the



Nearly full

Nearly empty

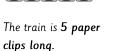
Empty

Full

second glass.

Measure and begin to record the following: lengths and heights; mass/weight; capacity and volume. Introduce standard units of measure in length.







The giraffe is **6 cubes tall.** 



The pink ribbon is **2** cubes longer than the blue spotty ribbon.



The car is **11cm** long.



The mass of the orange is **7 cubes**.



The container can hold **3 cups of** water.

## Key Vocabulary and definitions

Height The distance between two ends of a line or object  Height The measurement of someone or something from head to foot or bottom to top  Mass Amount of matter or substance an object contains  Volume The space that a 3D object can hold.  Capacity How much liquid such as water fits inside a container  Taller Having a greater height  Longer Having a greater length  Shorter Having less length  Heavy Of great weight, difficult to lift or move  Light Weighing relatively little compared with another item or object.  Centimetre A unit of distance or length		
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Centimetre A unit of distance or length		•
	Centimetre	,
Company To view compatition in mulation		
	Compare	To view compthing in relation
	Compare	To view something in relation
to another e.g., the pencil is longer than the rubber.		
Unit of A system used to describe	Unit of	_
measure how big/small/heavy/light etc		3
now big/smail/nearg/tight etc	measure	now big/smail/nearg/light etc