

## Length and height

Length or height is measuring how long or tall an object is.

The same length.

The same height.

This pen is 6 cubes long.

This ruler is to scale.

### Using non standard units:

This is when we do not use the usual equipment like rulers to measure length. We may use things like paperclips and pencils to describe how long an object is.

### Comparing lengths:

When we compare the lengths of different objects we use the words: longest, tallest, shorts and highest.

#### Height

The dog is **taller** than the cat.

The cat is **shorter** than the dog.

The tallest ..... shortest

#### Length

The car is **shorter** than the train.

The train is **longer** than the car.

shortest

longest

## Capacity and Volume

We can use different containers to measure volume.

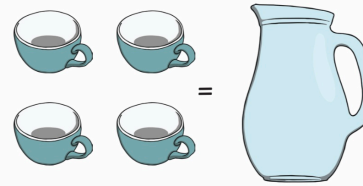


**Capacity** is the total amount of liquid a container can hold.

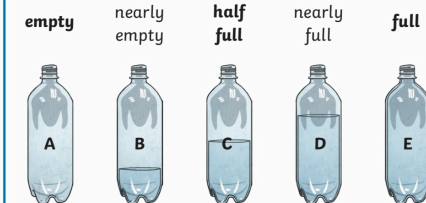
**Volume** is the amount of liquid that is in the container. This can vary.

### Measure Capacity

It takes 4 cups to fill this jug.



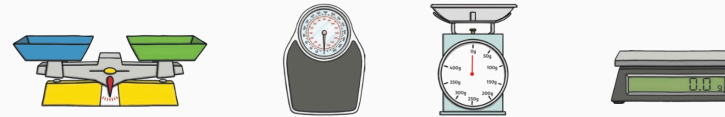
### Compare Capacity



B has more water than A. D has less water than E.

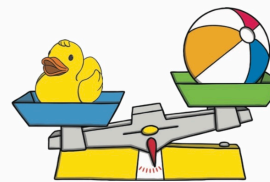
## Weight and Mass

We can use different types of scales to measure mass.



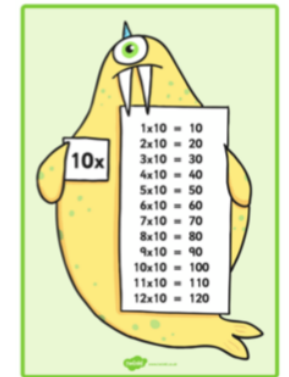
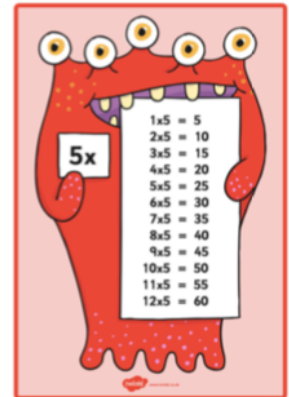
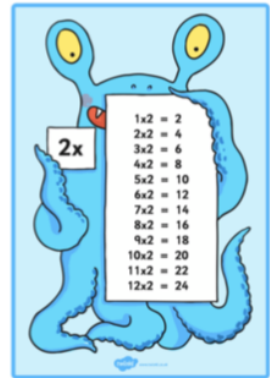
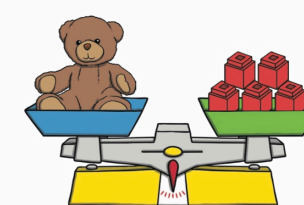
### Compare Mass

The duck is **heavier** than the ball.  
The ball is **lighter** than the duck.



### Measure Mass

The teddy **weighs** the same as 5 cubes.  
They are **balanced**.



## Key vocabulary

**measure** - a number that shows the size of something

**compare** - to see the difference between numbers and sizes

**mass**- the weight of an object. It is measured in grams (g) and kilograms (Kg)

**estimate** - roughly guessing a number of objects or the answer to a calculation

