

## Maths

## Measurement

## Maths | Measurement | Weight and Mass | Lesson 1 of 4: Understanding Mass and Weight


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## Need a coherently planned sequence of lessons to complement this resource?



## Unabrstonding M@ss and MWeగ̊ght

## Aim

- To compare and describe the mass of objects.


## Success Criteria

- I can use balance scales to compare the mass of objects.
- I can describe mass.
- I can reason about mass.


## Remember It

What is the heaviest thing that you can think of?


## Remember It

What is the lightest thing that you can think of?


## Weight and Mass

When we talk about weight, we mean how heavy or light something is. We call this mass.


## Balance Scales

Balance scales show us how heavy things are compared to other things. They help us compare their mass.


## Balance Scales

What if the balance scales don't move?
What do you know about the yellow box and the blue box?
They weigh the same.
They have the same mass.


## Compare Mass

Which is heavier, the banana or the strawberry? How can you tell?


## Compare Mass

Which is lighter, the bear or the doll? How can you tell?


## Compare Mass

Which is heavier, the puppy or the kitten? How can you tell?


## Mass and Size

Do you agree? Can you explain why?


## Mass and Size

Can you think of an example where the larger object is heavier than the smaller object?


## Mass and Size

What do you notice about the egg and the feather?

The feather is larger than the egg.

The feather is lighter than the egg.

The egg is smaller than the feather.

The egg is heavier than the feather.


The scale shows us that the egg is heavier.
Smaller things can be heavier than larger things.

## Mass and Size

Sometimes, heavier things are smaller than lighter things.


## Mass and Size

What will happen when I put these bottles on the scales?
Latyer mings are iol aivays meavien.


## Comparing Mass



## Diving into Mastery

Dive in by completing your own activity!


## True or False?

The beach ball is heavier than the bowling ball because it is larger.


## True or False?

The marble is heavier than the balloon because it has a greater mass.


## True or False?

The jars have the same mass because they are the same size.


## True or False?

These toys can have the same mass even if they are different sizes.


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