

Year 2  
Home Learning  
Maths  
W/C Monday 4<sup>th</sup> May

Measures

This week and next week we will be learning about different types of measures.

# Lesson 1

## Investigating Capacity

Let's wake up your brain and your body with  
some times tables!

Here's a Super Movers video to sing and move  
to.

<https://www.bbc.co.uk/teach/supermovers/ks1-maths-the-times-tables-mash-up-with-monty-magpie-billy-the-badger/znxcpg8>

LO: I am learning to investigate capacity.

What is capacity?

Where have you heard that term before?

Where is it used?

LO: I am learning to investigate capacity.

Capacity is how much something holds.

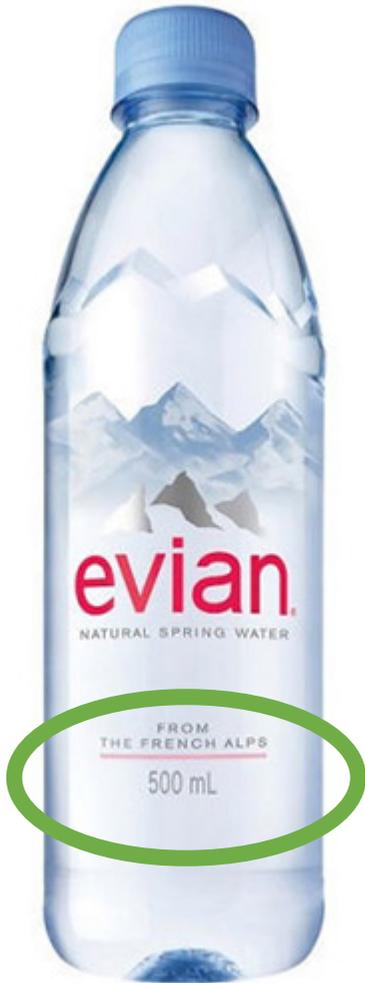
For example, the capacity of a bottle is how much liquid it holds.

Capacity can be measured in

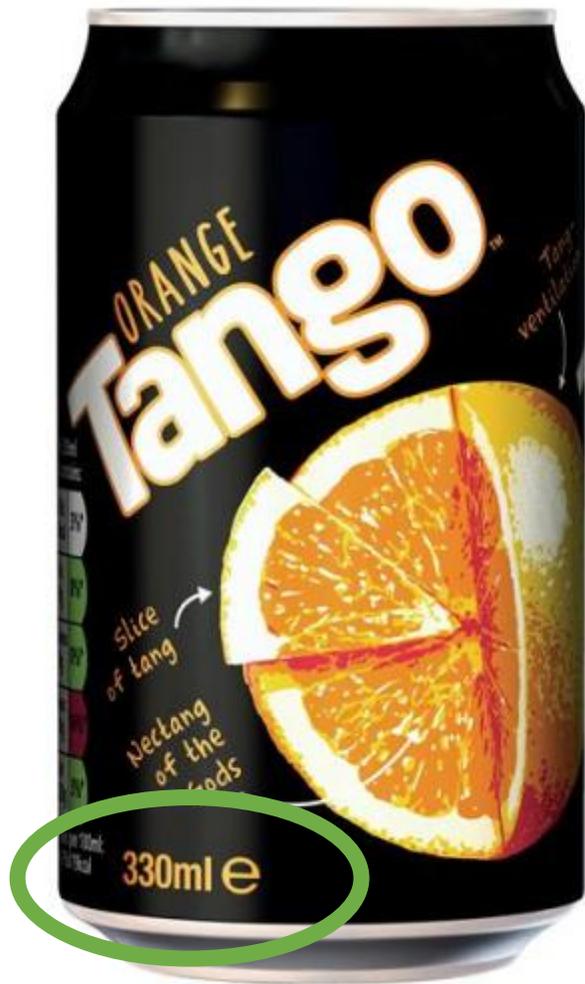
millilitres or ml

and

litres or l



LO: I am learning to investigate capacity.



Millilitres are used to measure smaller capacities such as a drinks can.

Litres are used to measure bigger capacities such as a bottle of cooking oil or even a swimming pool!



1000 millilitres are the same as 1 litre!

LO: I am learning to investigate capacity.

Capacity is all around us!

It can be how much is in a shampoo bottle, how much is in a can of drink or how much in a juice carton.

Look at this label.

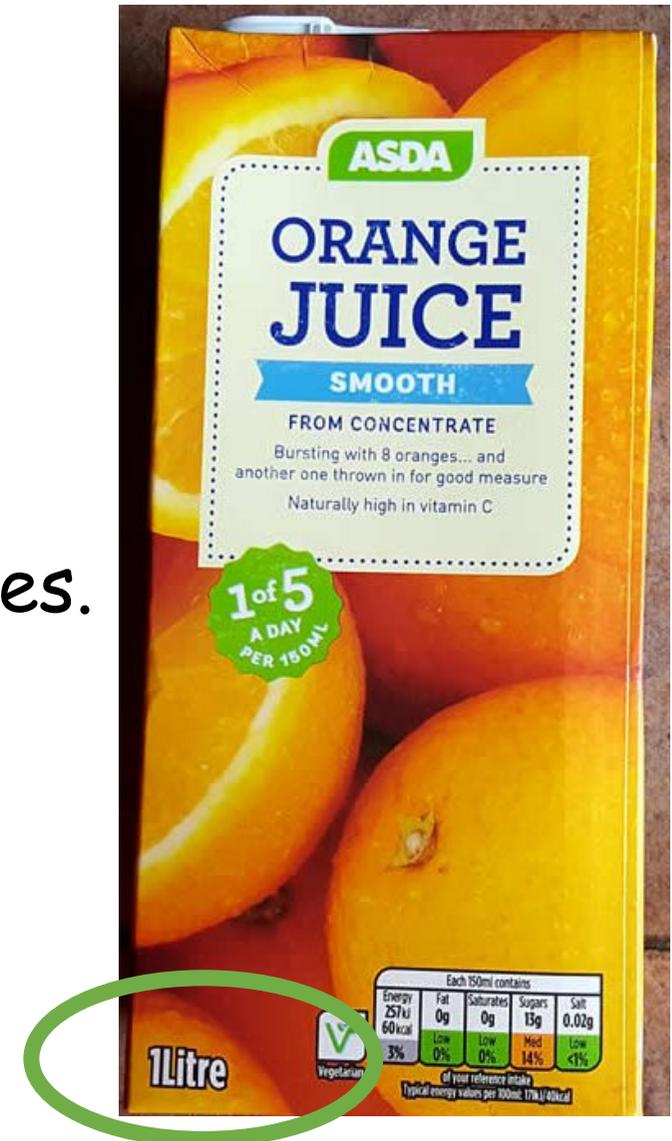
Can you spot the capacity?



LO: I am learning to investigate capacity.

The capacity is 1 litre.

Remember that means 1000 millilitres.



LO: I am learning to investigate capacity.

Your task today is to look around your home and find different items with different capacities.

**MAKE SURE YOU ASK AN ADULT TO HELP YOU TO CHOOSE ITEMS THAT ARE SAFE.**

When you have found the items you can either draw them and label what they are and their capacity or take photos.

You could also order them from the smallest capacity to the biggest!

## Lesson 2

# Measuring and Comparing Volumes

Let's wake up your brain with this capacity  
game!

Choose Capacity from the list.

<https://www.splashlearn.com/measurement-games>

LO: I am learning to measure and compare volumes.

What can you remember from yesterday?

What is capacity?

How is it measured?

Capacity is how much a container can hold.

It is measured in millilitres if it is small and litres if it is bigger.

LO: I am learning to measure and compare volumes.

You may have also heard the word volume.

This is different to the volume to show how loud something is!



This different kind of volume means how much something is actually holding.

LO: I am learning to measure and compare volumes.

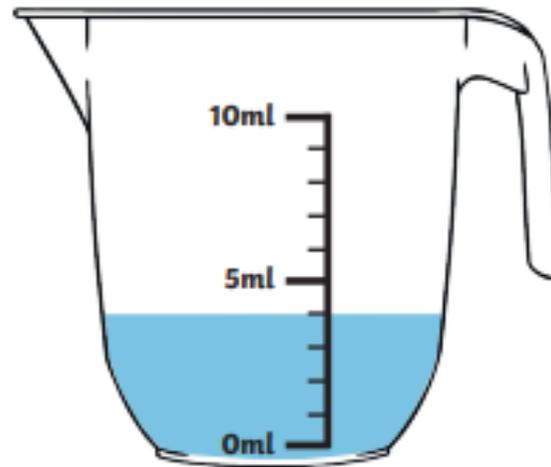
For example, the capacity of a bottle might be 500ml but if I drink some of it then the volume might now be 200ml.

The bottle is still 500ml because that is how much it could hold if it was full.

Today we are going to be reading volumes.

LO: I am learning to measure and compare volumes.

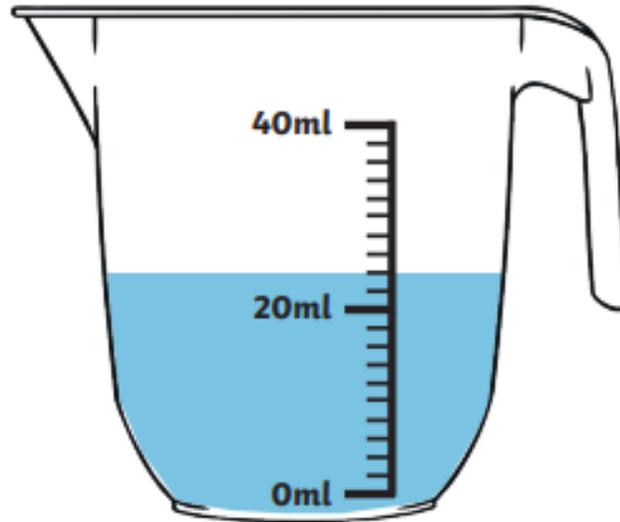
Let's read some volumes.



I can see the intervals (lines) are going up in 1s.  
I must count from 0 in 1s to find the answer.

The answer is 4ml.

LO: I am learning to measure and compare volumes.



This time the intervals are going up in 2s.  
I must count from 0 in 2s.

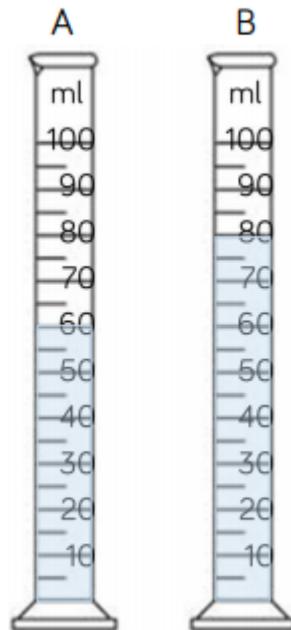
The answer is 24ml.

Intervals could also be in 10s or even 100s!

LO: I am learning to measure and compare volumes.

We can also compare volumes using the  $<$   $>$  and  $=$  signs

For example:



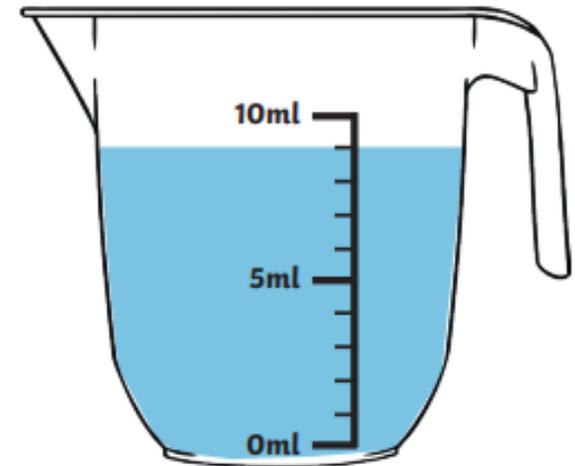
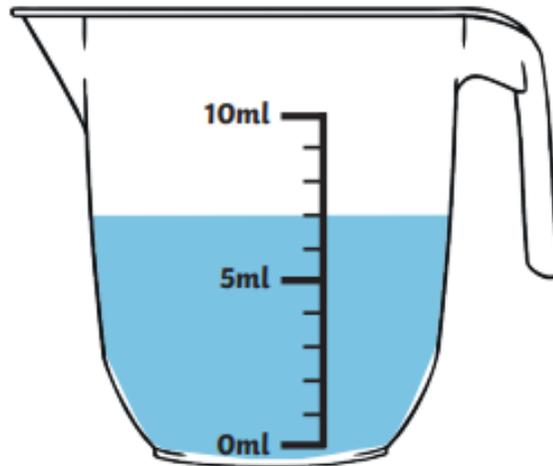
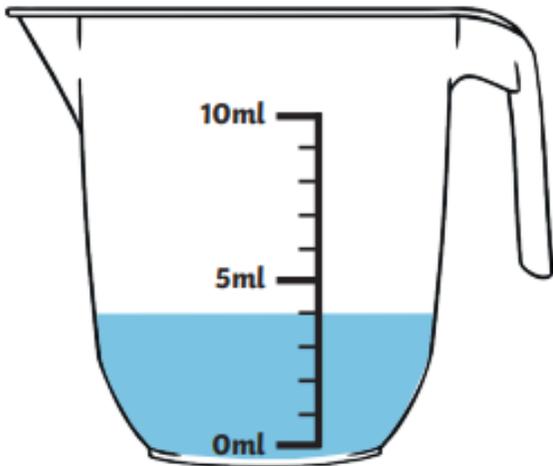
B has a greater amount so

$$A < B$$

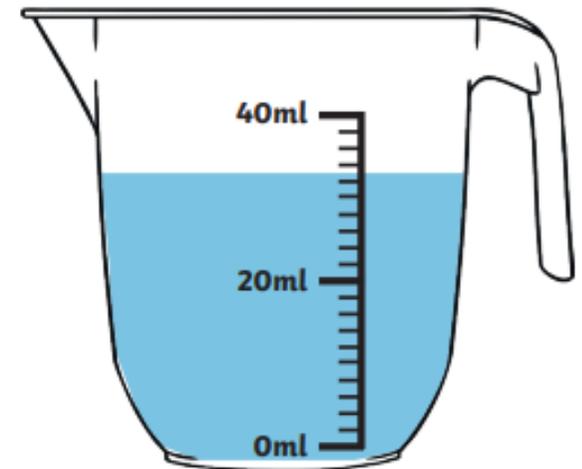
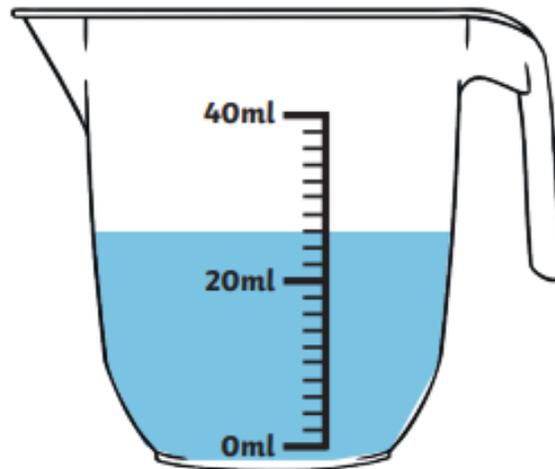
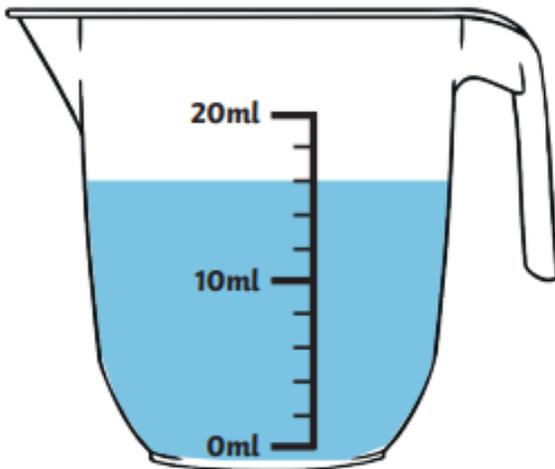
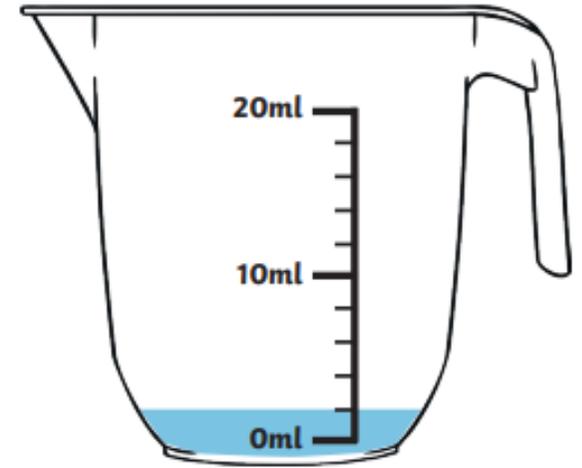
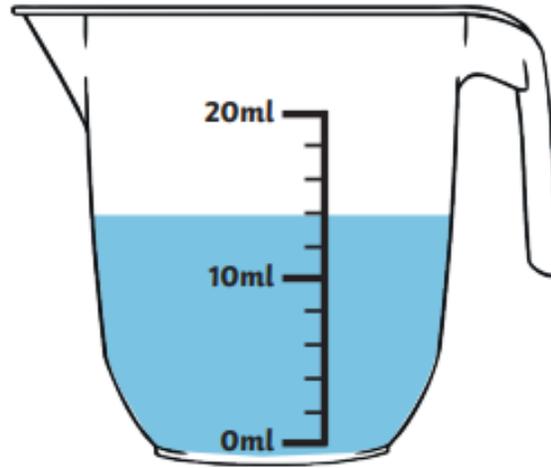
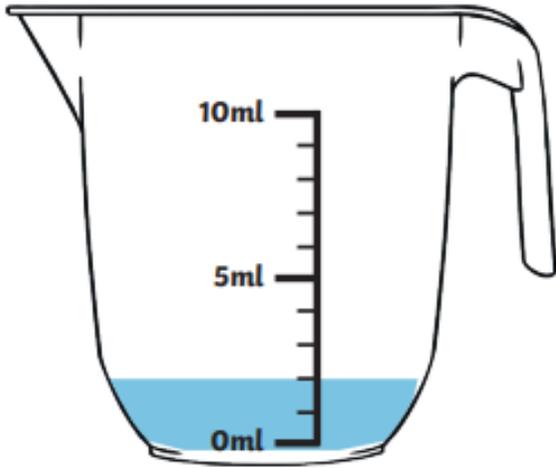
LO: I am learning to measure and compare volumes.

Now it's your turn! Write the volume of the jugs below on this and the next two pages. Make sure you check if they are in intervals of 1s, 2s, 5s, 10s or something else!

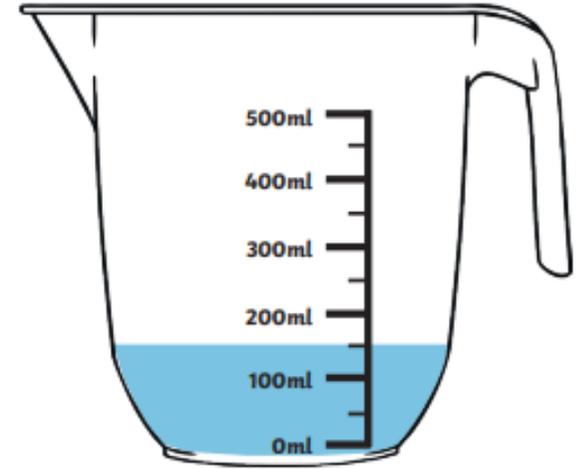
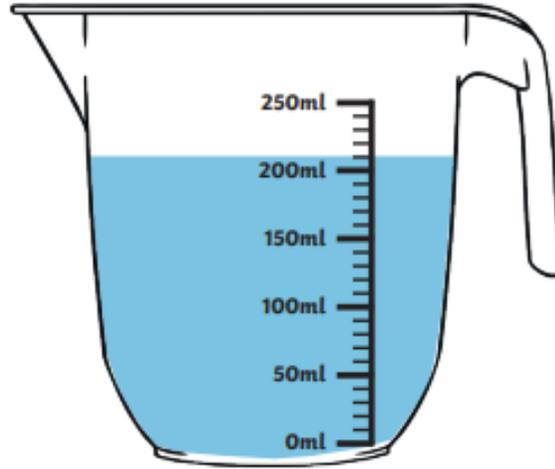
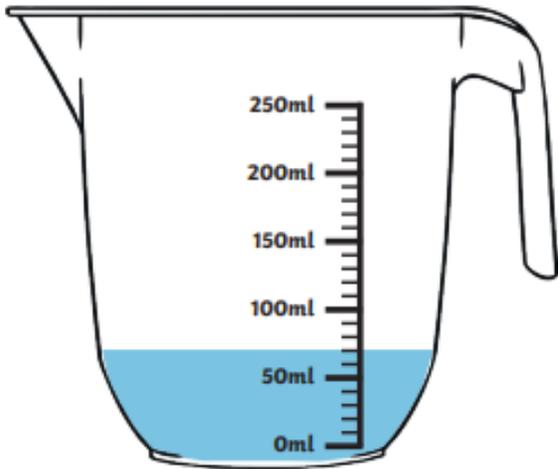
Then choose some jugs to compare using  $<$   $>$  or  $=$



LO: I am learning to measure and compare volumes.



LO: I am learning to measure and compare volumes.



## Lesson 3

# Capacity Problem Solving

Let's wake up your brain with this capacity game!

Choose one of the challenges (apart from the first) from the list.

<http://www.ictgames.com/mobilePage/capacity/index.html>

LO: I am learning to solve a capacity problem.

Today you are going to solve a capacity problem!

You have to think carefully about the information you have been given.

When you have solved the problem try and explain how you got to your answer.

Good luck!

LO: I am learning to solve a capacity problem.

3 bowls each have more than 20 l of water in but less than 50 l

The green bowl has 5 l more than the red bowl.

The blue bowl has 10 l more than the green bowl.

How much could each bowl have in?



# Lesson 4

## Investigating Mass

Let's wake up your brain with some mental maths!

On the top left choose 'Steps of 10' on the slider and a number from 1-10 for 'Start from'.  
Practise adding 10 to each number.

<https://www.ictgames.com/mobilePage/whackAMole/index.html>

LO: I am learning to investigate mass.

What is mass?

Where have you heard that term before?

Where is it used?

LO: I am learning to investigate mass.

Mass is how much something weighs.



You can measure the weight of something by using weighing scales.

Mass can be measured in

grams or g  
and  
kilograms or kg

LO: I am learning to investigate mass.



Grams are used to measure smaller weights such as a packet of crisps.



Kilograms are used

to

measure bigger weights such as a sack of potatoes.

1000 grams are the same as 1 kilogram!

LO: I am learning to investigate mass.

Mass is all around us!

It can be how much a bag of flour weighs, how much a new born baby weighs or even the weight of an elephant!

Look at this label.  
Can you spot the weight?



LO: I am learning to investigate mass.



The weight is 454g

LO: I am learning to investigate mass.

Your task today is to look around your home and find different items with different weights.

**MAKE SURE YOU ASK AN ADULT TO HELP YOU TO CHOOSE ITEMS THAT ARE SAFE.**

When you have found the items you can either draw them and label what they are and their weight or take photos.

You could also order them from the smallest weight to the biggest!

# Lesson 5

## Measuring and Comparing Mass

Let's wake up your brain!

Play this mass game to see which side of the scales is heavier.

<https://pbskids.org/peg/games/happy-camel>

LO: I am learning to measure and compare mass.

What can you remember from yesterday?

What is mass?

How is it measured?

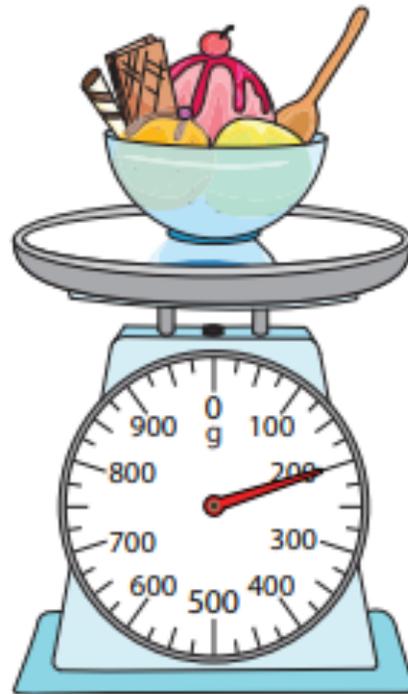
Mass is how much something weighs.

It is measured in grams if it is light and kilograms if it is heavier.

LO: I am learning to measure and compare mass.

Today we are going to be reading scales.

For example:

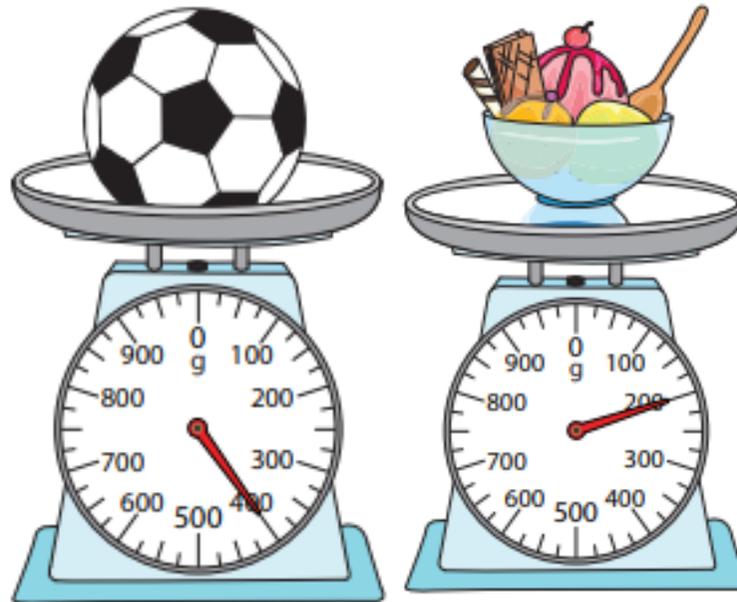


The pointer is pointing to 200 and the scales are measuring in grams.  
This shows 200 grams or 200g.

LO: I am learning to measure and compare mass.

We can also compare weights using  $<$   $>$  and  $=$

For example:



The football weighs 400g and the ice cream weighs 200g.

The football weighs more so

Football  $>$  Ice cream

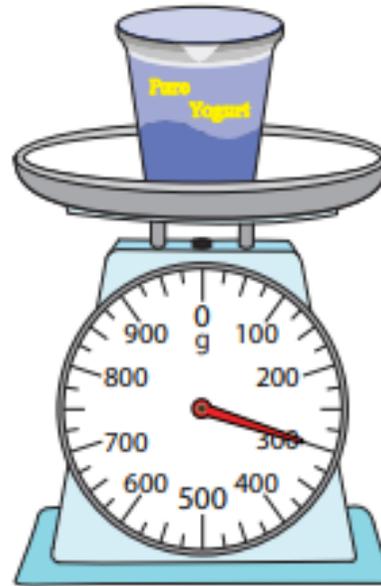
LO: I am learning to measure and compare mass.

Now it's your turn! Write the weights of the items on the scales below on this and the next two pages. Read carefully if they are showing grams or kilograms. Then choose some items to compare using  $<$   $>$  or  $=$

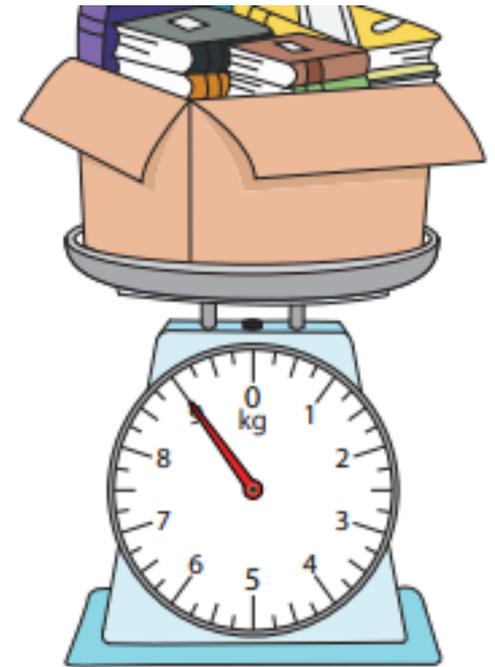
1)



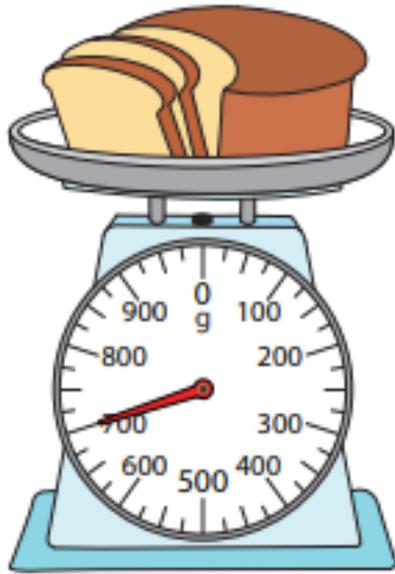
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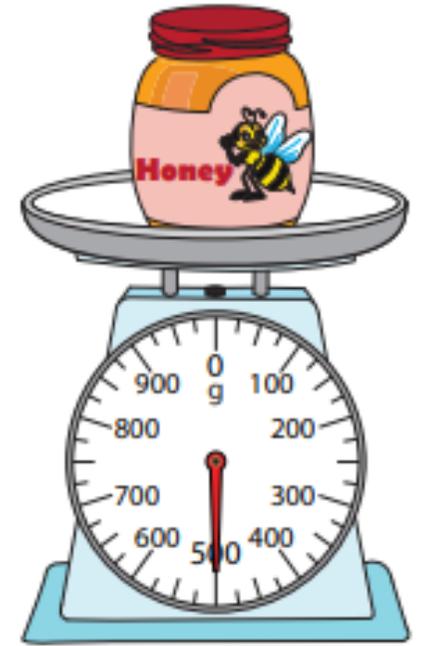
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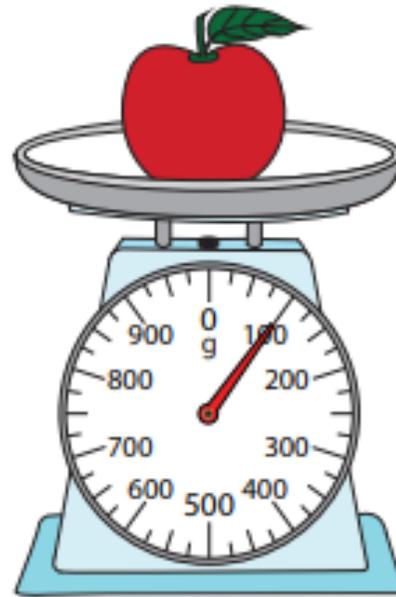
6)



7)



8)



9)

