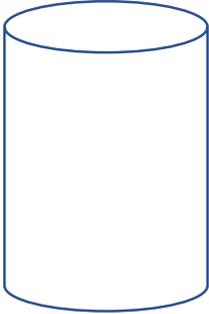
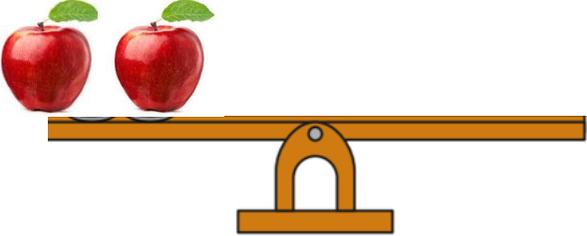


Wednesday 15<sup>th</sup> July

LO: To be able to add and subtract mass.

<b>Something we learned previously</b>	<b>Something we learned last week</b>	<b>Something we are learning today</b>
<p>Sarah has 7 coins in her purse.</p> <p>What is the smallest amount Sarah could have in her purse?</p> <p>What is the largest amount Sarah could have in her purse?</p>	<p>What is the name of the shape below?</p> 	<p>An apple weighs 10g. A grape weighs 5g. Draw grapes onto the scales to balance the apples.</p> 

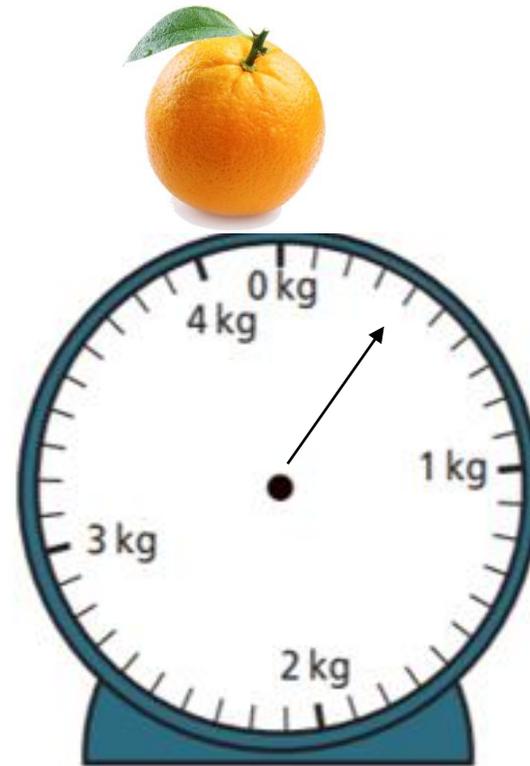
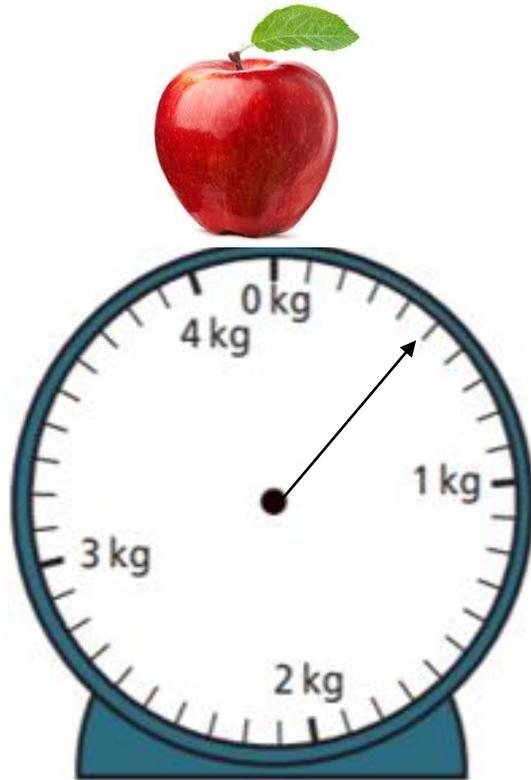
<https://vimeo.com/434623103>

Here is the video link to help you if you can access it .

## I do

Dan weighs two pieces of fruit separately.

What would be the total mass of the fruit if he weighed them together?



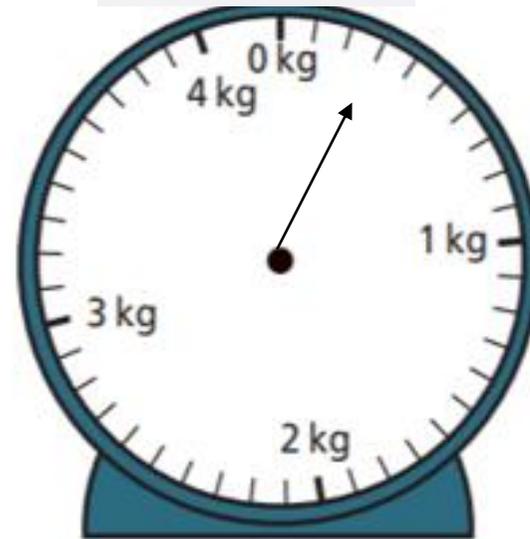
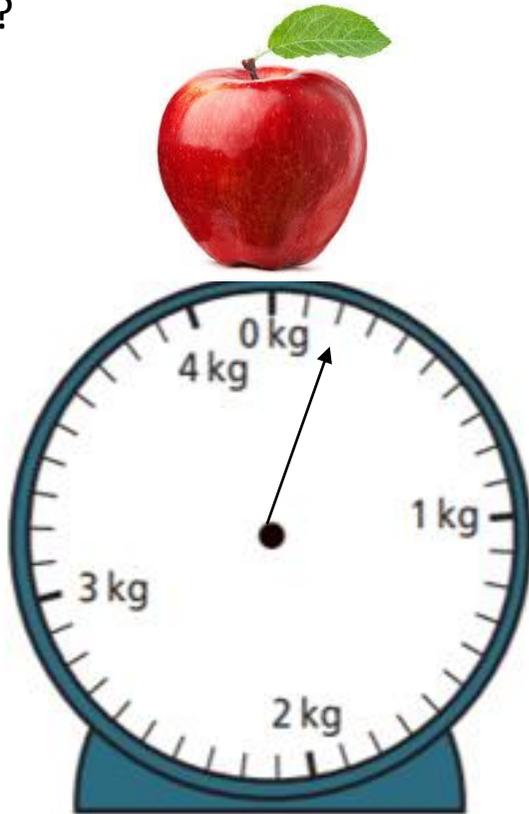
I know that each interval on the scales represents 100g. Therefore, the apple weighs 500g and the orange weighs 400g.

The total mass of both pieces of fruit would therefore be 900g.

## You do

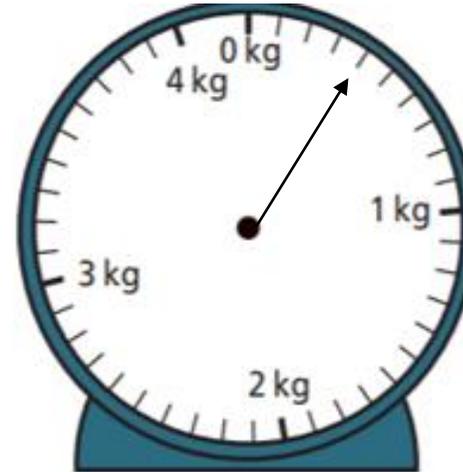
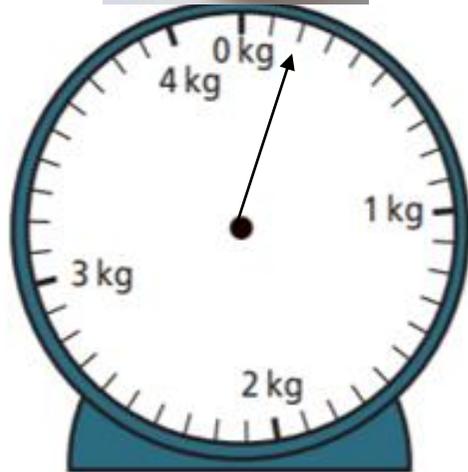
Dan weighs two pieces of fruit separately.

What would be the total mass of the fruit if he weighed them together?



## I do

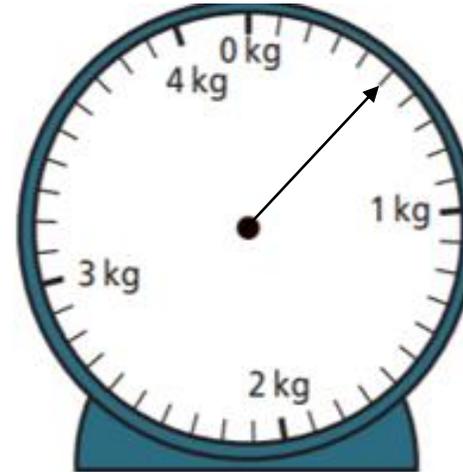
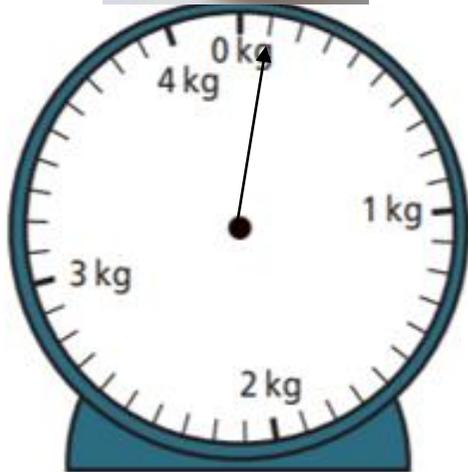
Sarah puts an empty bowl onto some scales. She then pours some cereal into the bowl. The scales on the left show the bowl before she adds the cereal, and the scales on the right show the scales afterwards. What is the mass of the cereal?



The scales on the right show the mass of the bowl when it is full of cereal. The arrow here is pointing to 400g. However, the scales on the left show us that the empty bowl weights 200g on its own, and so the cereal has a mass of 200g, not 400g.

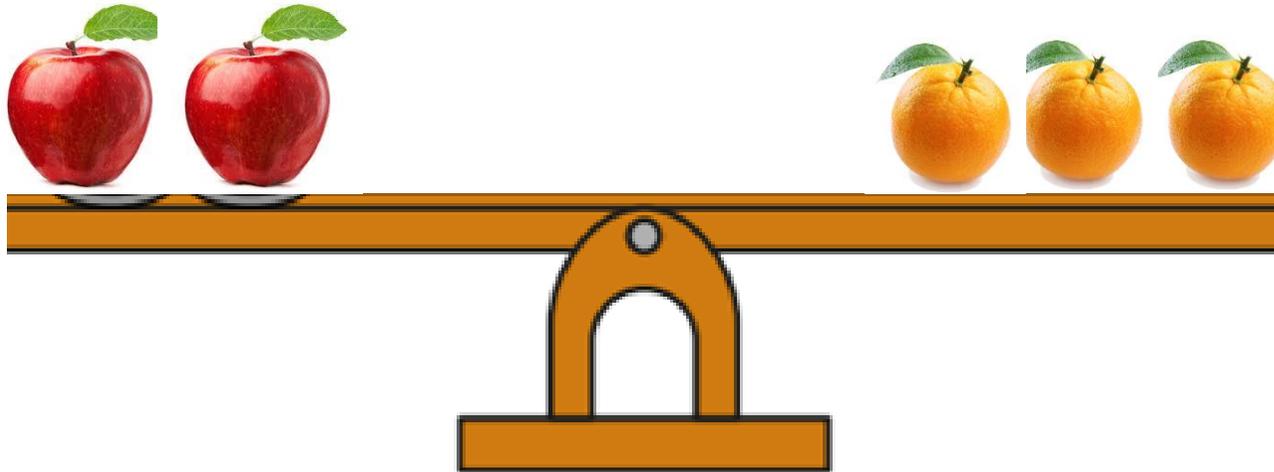
## You do

Sarah puts an empty bowl onto some scales. She then pours some cereal into the bowl. The scales on the left show the bowl before she adds the cereal, and the scales on the right show the scales afterwards. What is the mass of the cereal?



## I do

An apple weights 15g. An orange weighs 10g. Draw oranges onto the scales to balance the apples.

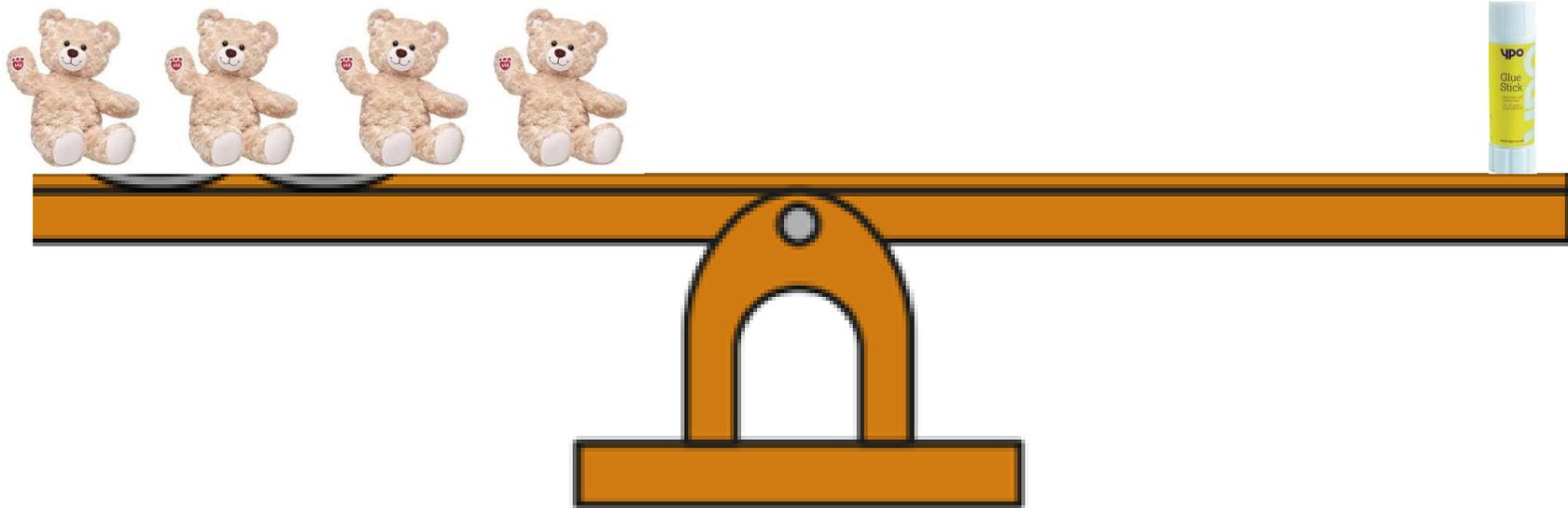


I know that one apple weights 15g. There are 2 apples on the scales and so they must weigh 30g in total.

In order for the scales to be balanced, I need to add enough oranges to total 30g. I know that one orange weighs 10g and so I will need 3 oranges to balance the scales.

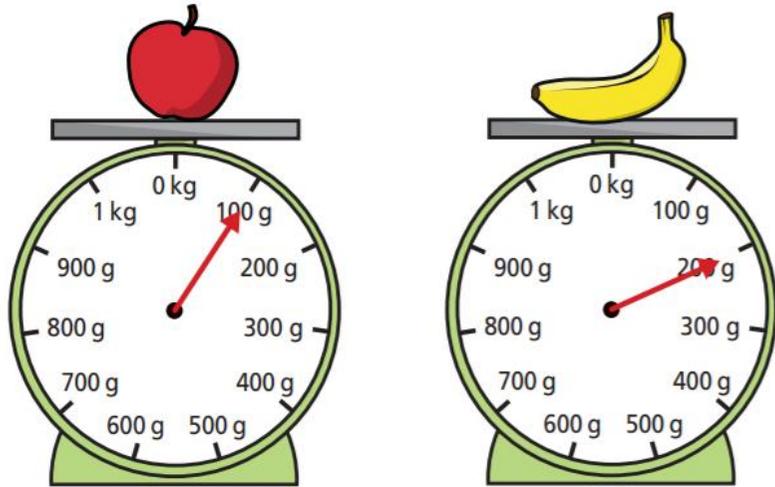
## You do

An teddy weighs 15g. A glue stick weighs 20g. Draw gluesticks onto the scales to balance them.



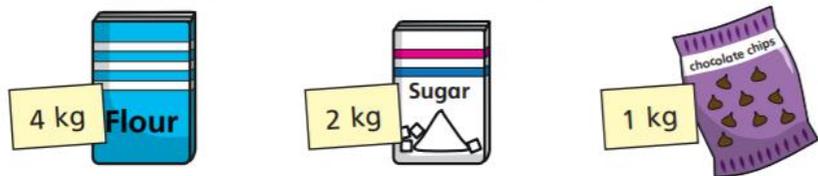
# Add and subtract mass

1 Teddy is measuring the weight of some fruit.



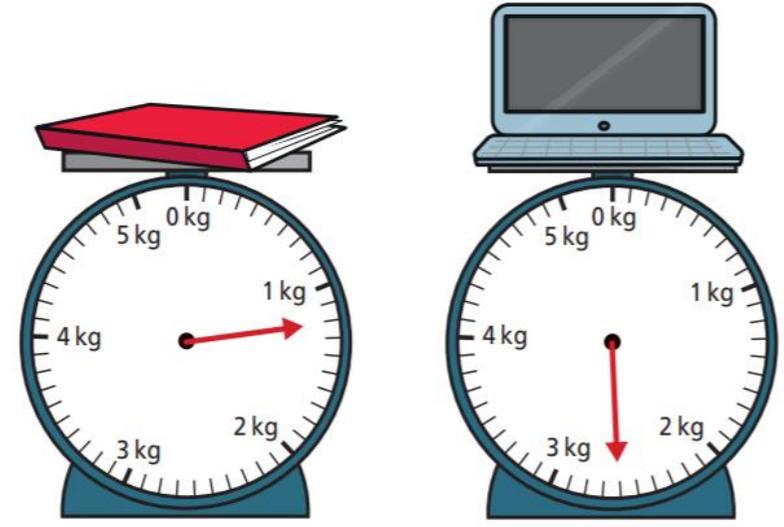
- a) What is the weight of the apple?  g
- b) What is the weight of the banana?  g
- c) Teddy puts both pieces of fruit on the same scale.  
What is the total weight of the apple and the banana?  g

2 Alex is measuring the weight of some ingredients.



What is the total weight of the ingredients?  kg

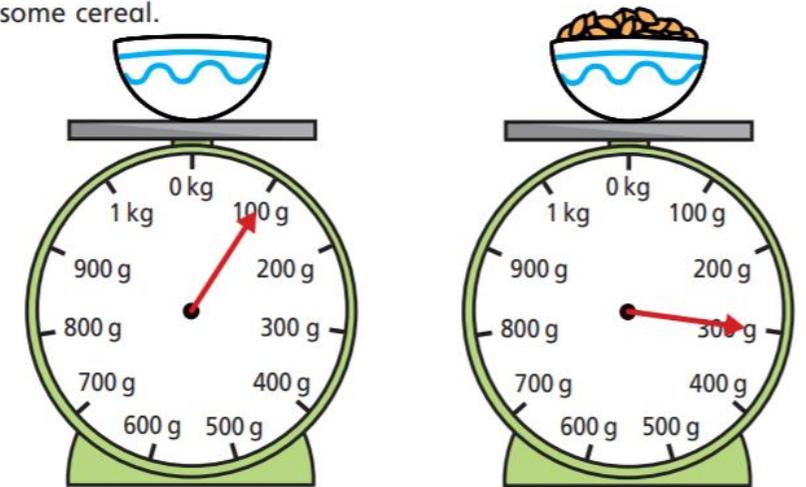
3 Ron is measuring the mass of some objects in the classroom.



Ron puts both objects on the same scale.  
What is the total mass of the objects?  
 kg and  g

4 Aisha is weighing out some cereal.

First she puts the bowl on the scales. Then she pours out some cereal.



What is the weight of the cereal in the bowl?  g

5 A dog weighs 8 kg and 200 g when it is 8 weeks old.

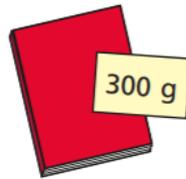
The same dog weighs 12 kg and 900 g when it is 12 weeks old.

What is the difference in the dog's weight between 8 and 12 weeks?

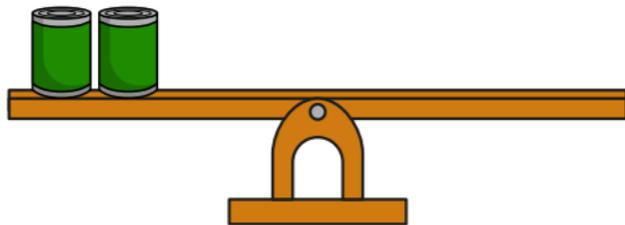
kg and  g

6 The mass of a tin is 450 g.

The mass of a book is 300 g.



Draw books on the scales to balance the tins.



7 Complete the number sentences.

a)  $1\text{ kg } 250\text{ g} + 5\text{ kg } 300\text{ g} = \text{  kg  g}$

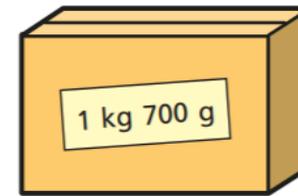
b)  $3\text{ kg } 450\text{ g} + 8\text{ kg } 120\text{ g} = \text{  kg  g}$

c)  $15\text{ kg } 960\text{ g} - 11\text{ kg } 270\text{ g} = \text{  kg  g}$

d)  $36\text{ kg } 317\text{ g} - 21\text{ kg } 199\text{ g} = \text{  kg  g}$

e)  $1\text{ kg} - \text{  g} = 200\text{ g}$

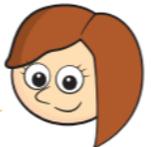
8 Tommy and Rosie are working out the total weight of the box and the suitcase.



The total weight is 5 kg and 1,200 g.

Tommy

The total weight is 6 kg and 200 g.



Rosie

Who is correct? \_\_\_\_\_

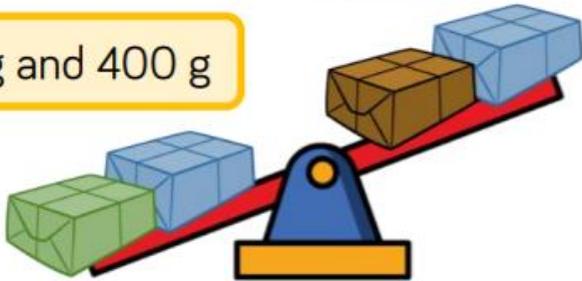
Talk about it with a partner.

## Plenary

The green parcel weighs 5 kg.  
Can you work out what the blue and  
brown parcel weigh?

7 kg and 250 g

9 kg and 400 g



How much would the green and brown  
parcel weigh altogether?

