



Year 2
Maths
24/06/2020



Lesson Aims

- To be able to read scales accurately.
- I can work out what the scale is counting in.
- I can work out the value of the unmarked divisions.



Fluency

How Many Can You Make?

Tens			Ones	
2 tens	4 tens	6 tens	1 one	4 ones
5 tens	7 tens		8 ones	9 ones

What is the highest number you can make?

What is the lowest number you can make?

How many different numbers can you make?



Measuring mass/weight...

We use scales to measure **grams**.

A gram is a small unit of measurement that we use to measure how heavy or light something is.

We can write gram as **g**.

We measure the following using grams:



We also use scales to measure **kilograms**.

A kilogram is a larger unit of measurement that we use to measure how light or heavy something is.

We can write kilogram as **kg**.

We measure the following using kilograms:

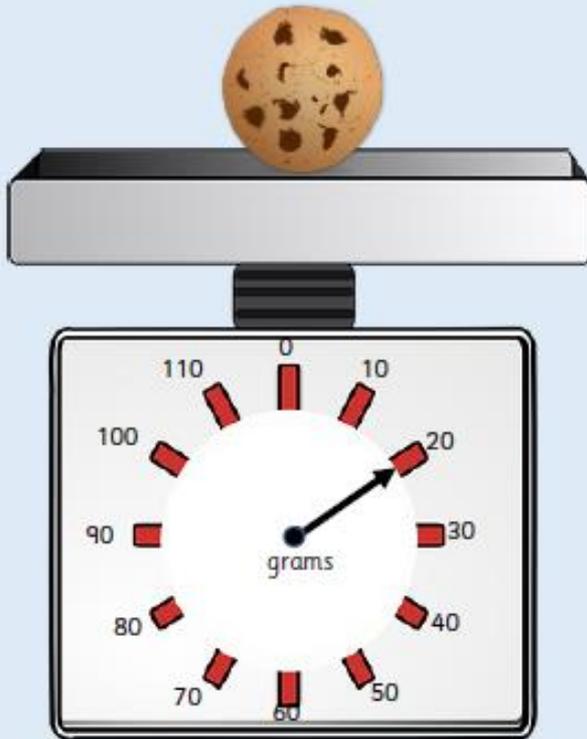


$$1000\text{g}=1\text{kg}$$

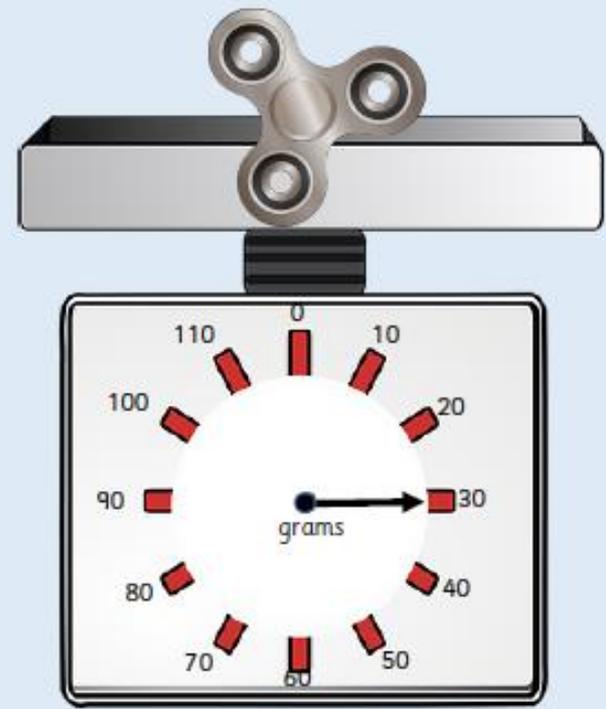


Main Teaching

What is the mass of the objects?



The mass of the cookie in grams is _____.

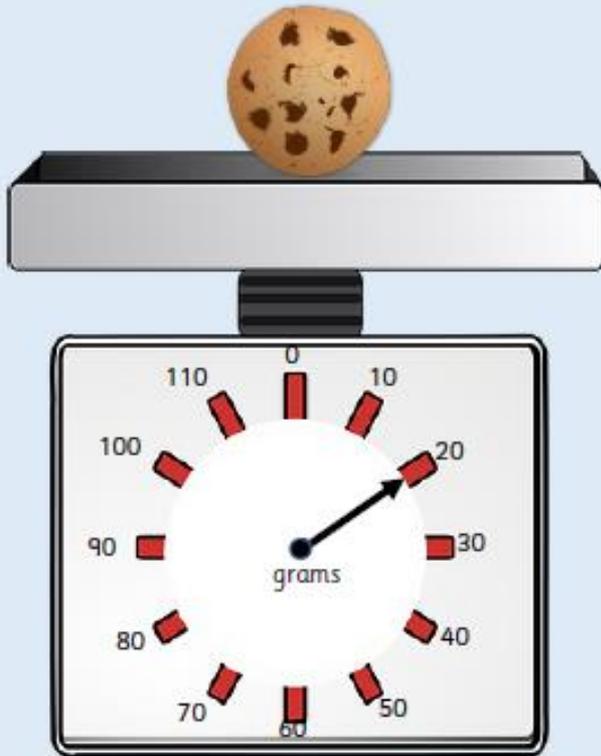


The mass of the toy in grams is _____.

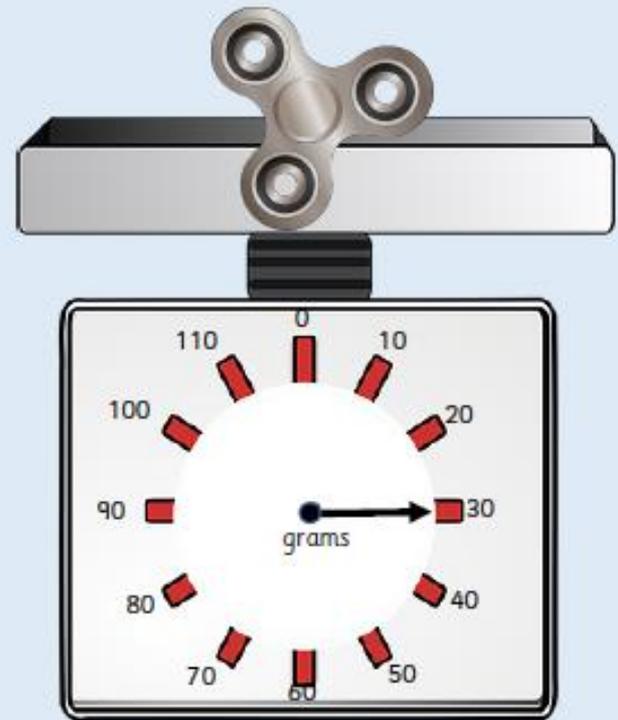


Main Teaching

What is the mass of the objects?



The mass of the cookie in grams is 20 g.

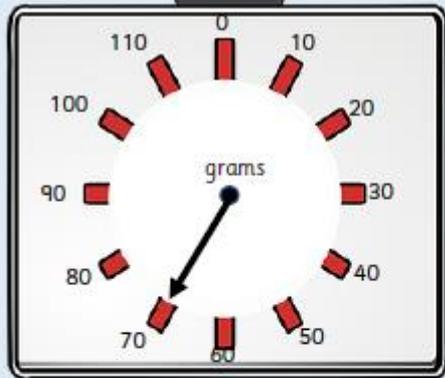


The mass of the toy in grams is 30 g.

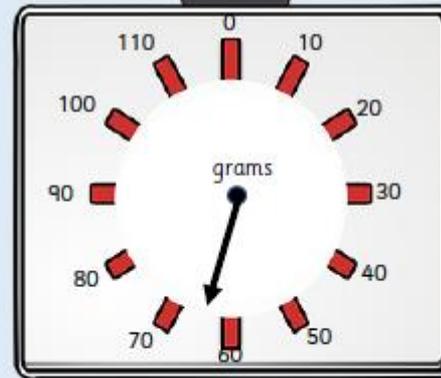


Main Teaching

What is the mass of the object?



The mass of the cushion in grams is



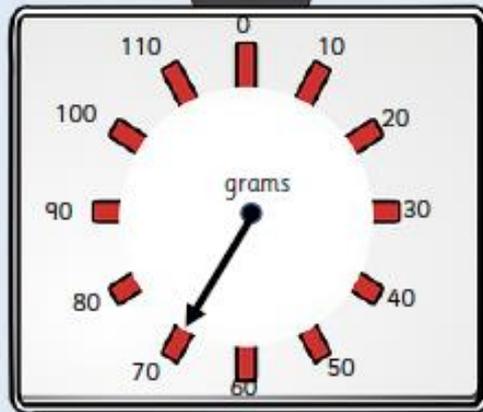
The mass of the cushion in grams is

Look carefully!
The arrow is half way between 60 and 70g.



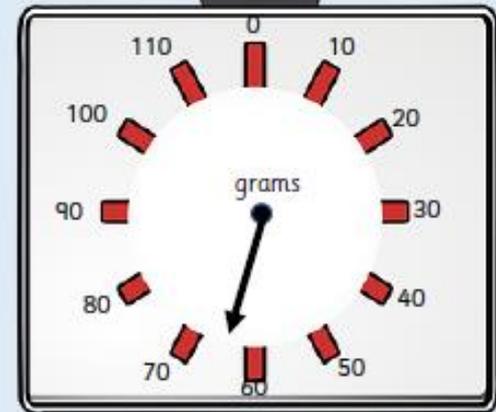
Main Teaching

What is the mass of the object?



The mass of the cushion in grams is

70 g.



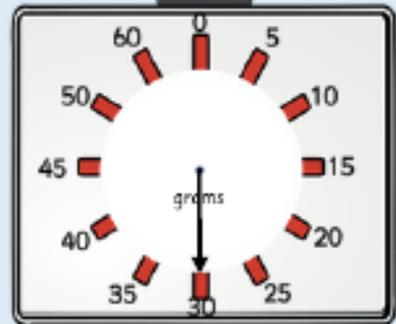
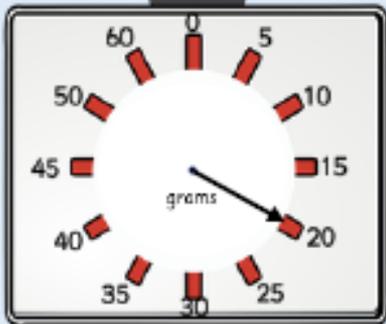
The mass of the cushion in grams is

65 g.



Main Teaching

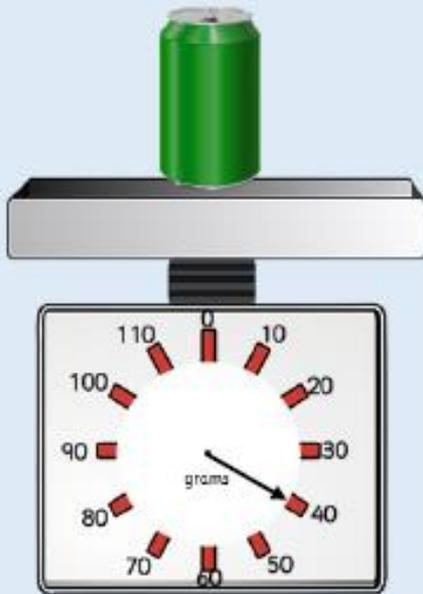
Order the objects from heaviest to lightest.



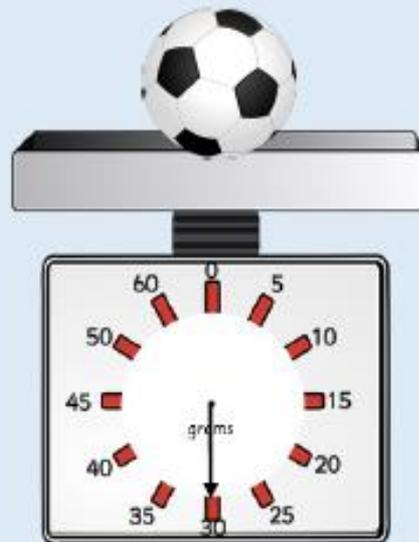


Main Teaching

Order the objects from heaviest to lightest.



40 g



30 g

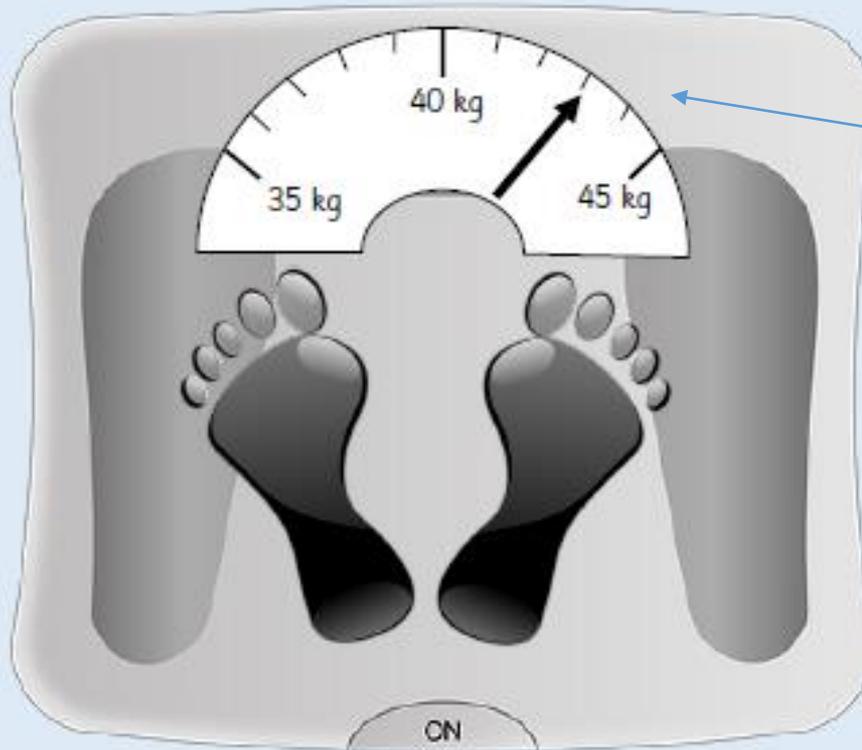


20 g



Main Teaching

What is the mass of the person?



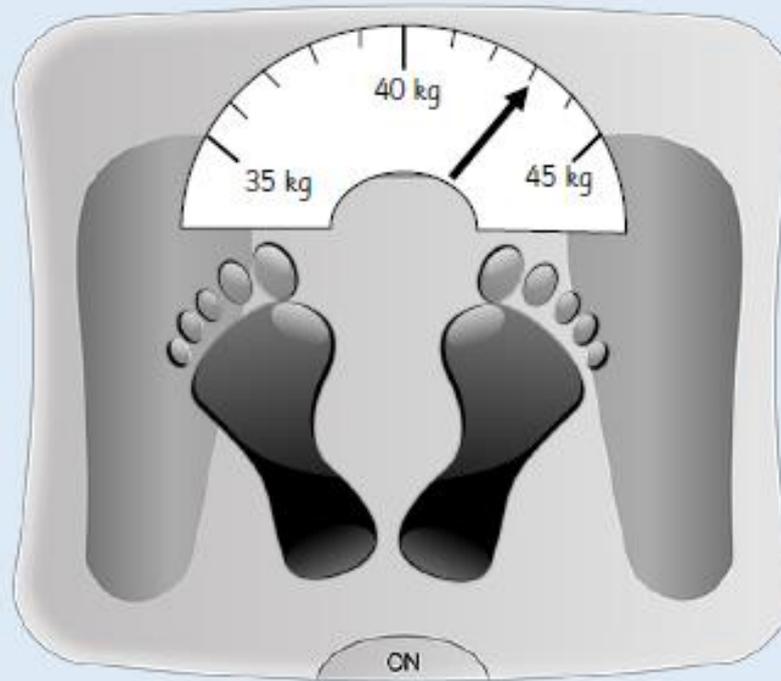
Try and look at the scale carefully. What does each division stand for? You should see it is going up each time by 1kg.

The person weighs _____ kg.



Main Teaching

What is the mass of the person?



The person weighs 43 kg.



Your task...

1. Have a go at the sheet attached.

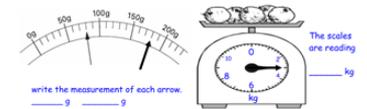
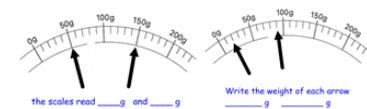


2. Once you have completed the sheet have a go at the game below:

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

You can choose your challenge.

LO: I can read weight on a scale.
SC I can work out what the scale is counting in.
I can work out the value of the unmarked divisions.



Mostly Postie
A read the scales game

kg and half kg
(Answers can be given in grams, e.g. 1kg=1000g)

answers in steps of 100g
(e.g. 100g, 200g or 300g)

answers in steps of 50g
(e.g. 50g, 250g or 150g)

answers in steps of 10g
(e.g. 70g, 50g or 110g)

answers in steps of 25g
(Answers can be given in grams, e.g. 1kg=1000g)

answers in steps of 100g
(Sorry, there's no decimals for 1.25kg etc)



To finish things off...

Leanna's family is going on holiday.
Compare the weight of their suitcases.



26 kg

Mum's suitcase



17 kg

Leanna's suitcase



19 kg

Sister's suitcase

Leanna's suitcase Mum's suitcase



Mum's case weighs ____ kg more than the sister's case.

Remember
to use:

< > or =



To finish things off...

Leanna's family is going on holiday.
Compare the weight of their suitcases.



26 kg

Mum's suitcase



17 kg

Leanna's suitcase



19 kg

Sister's suitcase

Leanna's suitcase



Mum's suitcase



Mum's case weighs 7 kg more than the sister's case.