Hello Year 2!

This PowerPoint contains five morning maths and maths sessions for you to complete this week.

Remember you can draw pictures, use part whole models and number lines to help with your working out.

Morning maths

29.6.20

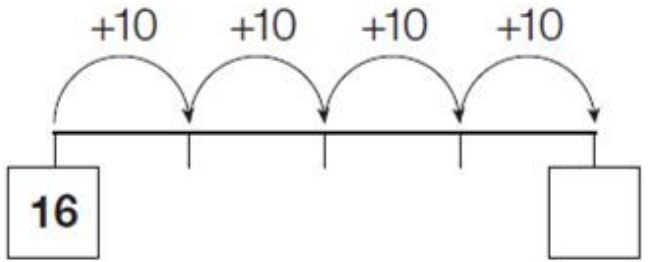
1. 5 + 7 =
2. 17 – 4 =
3. __= 18 - 2
4. 5 + __ + 3 = 15
5. 7 x 2 =
6. 5 ÷ 5 =
7. One more than twenty three =
8. Two less than forty five =

Challenge

Kim is counting in jumps of 10 using a number line.

She starts at 16

A. What number does she finish at?



B. Kim continues counting in jumps of 10. What numbers will she say? Circle the numbers.

66 67 60 86 6

Explain how you know.

Morning maths Answers

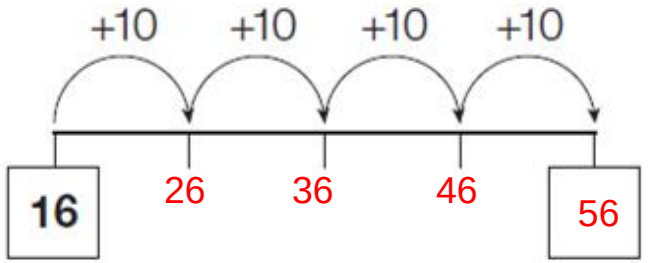
29.6.20

1. 5 + 7 = 12
2. 17 – 4 = 13
3. 16 = 18 - 2
4. 5 + 7 + 3 = 15
5. 7 x 2 = 14
6. 5 ÷ 5 = 1
7. One more than twenty three =24 or twenty four
8. Two less than forty five = 43 or forty three

Kim is counting in jumps of 10 using a number line.

She starts at 16

A. What number does she finish at? 56



B. Kim continues counting in jumps of 10. What numbers will she say? Circle the numbers.

66 67 60 86 6

Maths

Monday 29th June

St Catherine's Classroom Beliefs

- Mistakes are valuable.
- Everyone can learn maths to the highest level.
- Questions are really important.
- Depth is more important than speed.
- Maths is about making connections.

St Catherine's
CE PRIMARY SCHOOL

This week we are going to look at comparing and measuring mass.

What do you already know about measuring how heavy an object is? Have a quick discussion with someone and share what you already know.

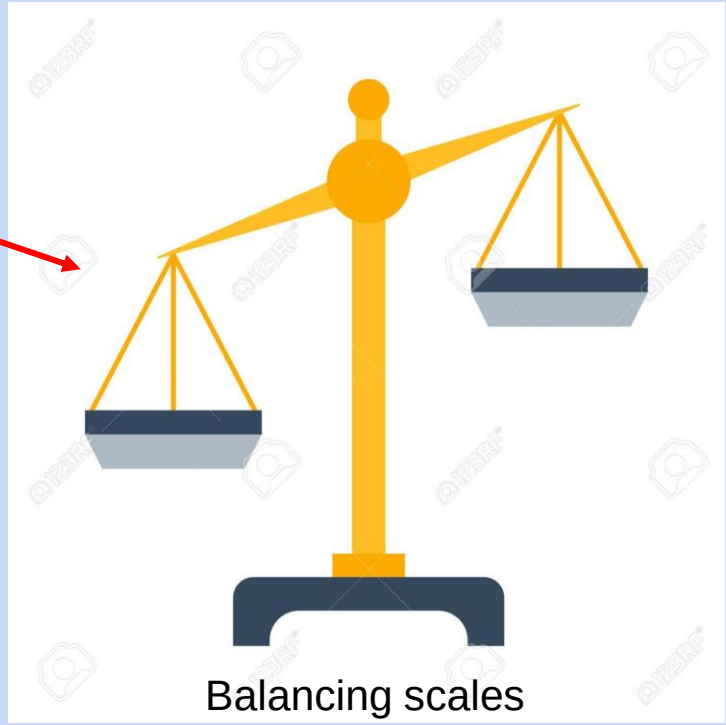
What equipment might you use?

Can you think of some examples of when you might need to weigh something?

What unit of measure would you use?

To measure the weight of an object we would use a set of weighing scales. Today we are going to find out about how the balancing scales work. Watch this clip below to find out more.

https://www.youtube.com/watch?v=ybEU-6U7s8k



Balancing scales

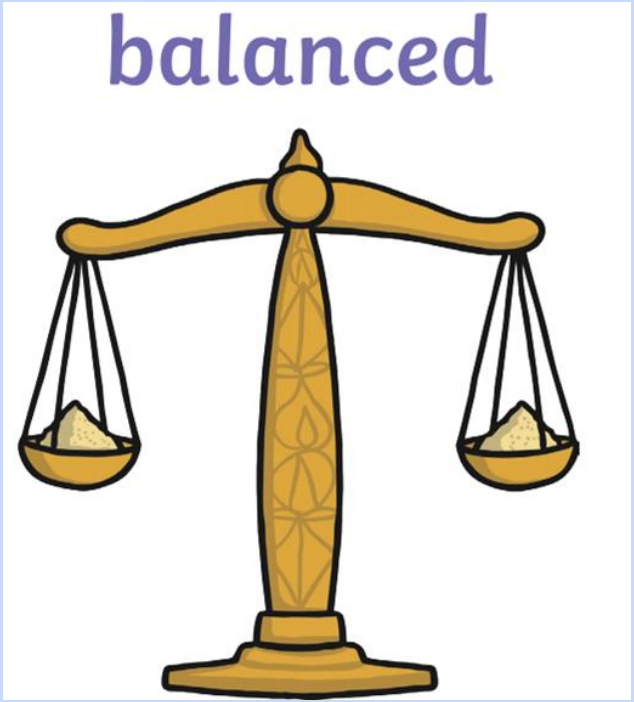


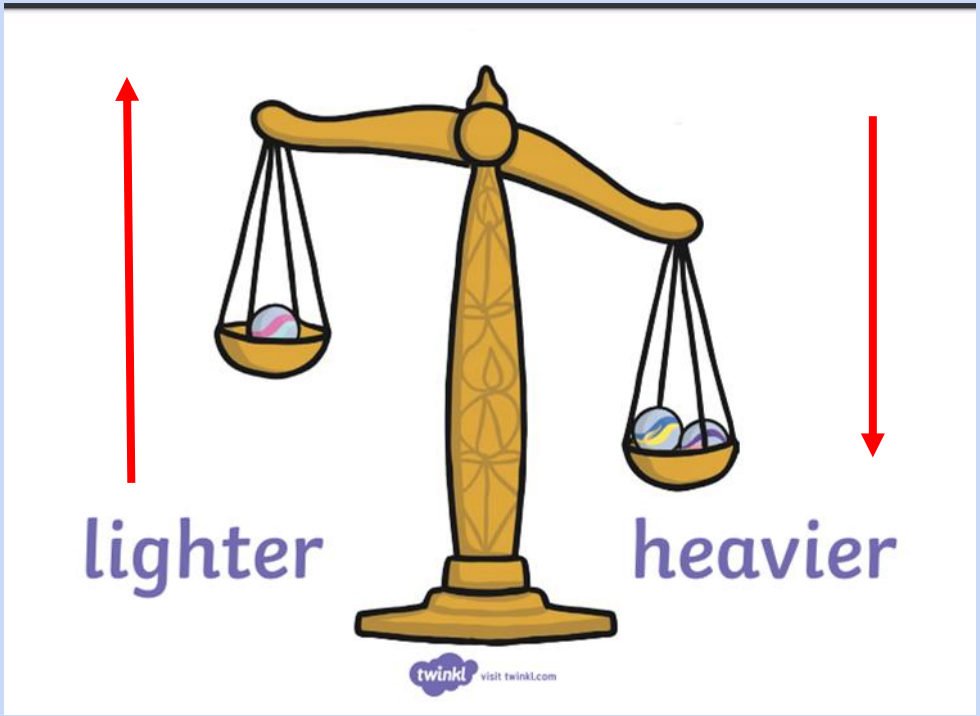
Weighing scales



Digital scales

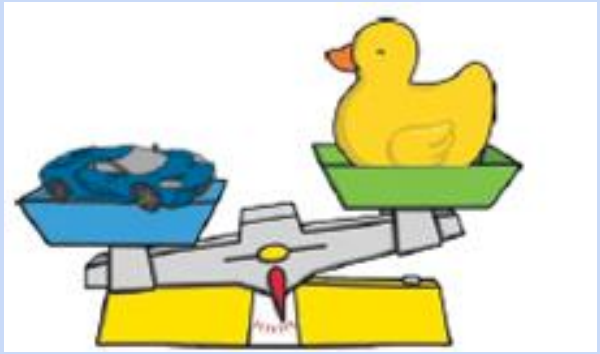
Quick recap...

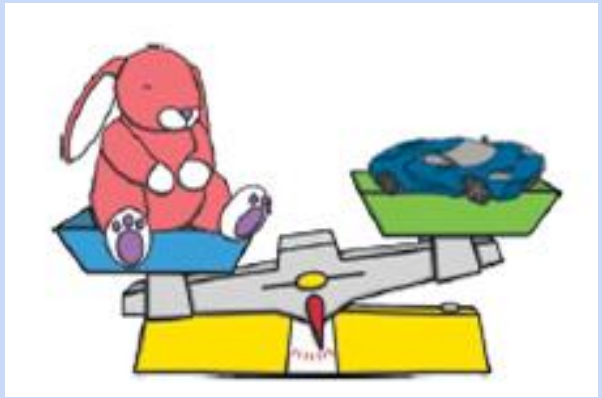




Use the vocabulary below to write some sentences to explain what these scales show. For example, the duck is heavier than the car.







Could you use the < and > symbols to compare the weight of the objects?

lighter

heavier

more than (>)

less than (<)

Challenge



One pear weighs 10 cubes.
How many cubes will balance one pineapple?
Explain how you know.

Key facts to remember

2 pineapples = 4 pears

1 pear = 10 cubes

Challenge Answer



One pear weighs 10 cubes.
How many cubes will balance one pineapple?
Explain how you know.

Key facts

2 pineapples = 4 pears

1 pear = 10 cubes

So, 4 pears = 40 cubes

If 2 pineapples = 40 cubes

Then 1 pineapple = 20 cubes

Morning maths

30.6.20

1. 10 + 10 + 10 + 10 =
2. 87 + 20 =
3. ¼ of 20 =
4. 24 + 67 =
5. ½ of 12 =
6. 83 – 46 =
7. 8 x 3 =
8. 34 + 13 = 100 – ___

Challenge

Tom has these coins.



He spends 34p.

How much money does Tom have left?

Morning maths Answers 30.6.20

1. 10 + 10 + 10 + 10 = 40
2. 87 + 20 = 107
3. ¼ of 20 = 5
4. 24 + 67 = 91
5. ½ of 12 = 6
6. 83 – 46 = 37
7. 8 x 3 = 24
8. 34 + 13 = 100 – 53

47 = 100 – 53

Challenge

Tom has these coins.



50p + 5p + 5p + 2p = 62p

He spends 34p.

How much money does Tom have left?

Maths

Tuesday 30th June

St Catherine's Classroom Beliefs

- Mistakes are valuable.
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Recap...

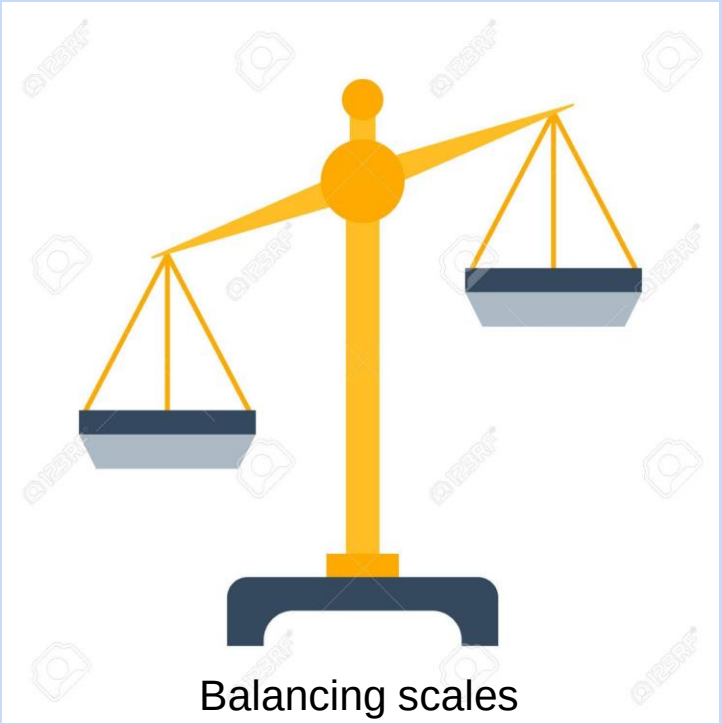
To measure the weight of an object we would use a set of weighing scales. These are some examples of the different types.



Weighing scales



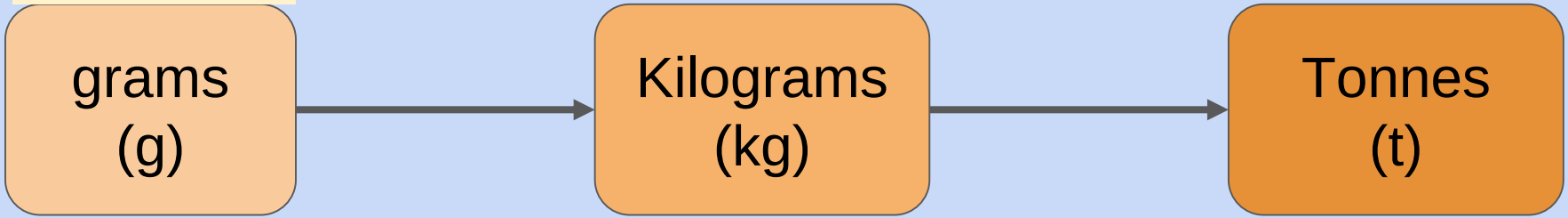
Digital scales



Balancing scales

To measure the mass of an object accurately we measure items using grams and kilograms. For very heavy objects we might even measure using tonnes!

1 gram = one paperclip



1000 grams = 1 kilogram

1000 kilograms = 1 tonne

Many of our food items will state how much they weigh on their packaging. This is usually written in grams or kilograms.









Task

With your parents permission, choose 8 items of food you have at home and see if you can find out how much they weigh from their packaging. Record the item's name and its weight on a piece of paper. Once you have found the weight of 8 items, put them in order from the lightest item to the heaviest item.

You could record your findings in a table like this one.

Item	Weight (g or kg)
Bag of sugar	1kg
Packet of crisps	

Lightest → Heaviest

Task

How would you measure these items? In grams, kilograms or in tonnes?

...a packet of crayons?



...a lorry?



...a bag of potatoes?



...a pencil?



...a brick?



...a rhinoceros?



...a packed suitcase?



Discuss your reasoning with someone at home.

Task

Answers

How would you measure these items? In grams, kilograms or in tonnes?

...a packet of crayons?



g

...a lorry?



t

...a bag of potatoes?



kg

...a pencil?



g

Did you get them all correct?

...a brick?



kg

...a rhinoceros?



t

...a packed suitcase?



kg

Morning maths

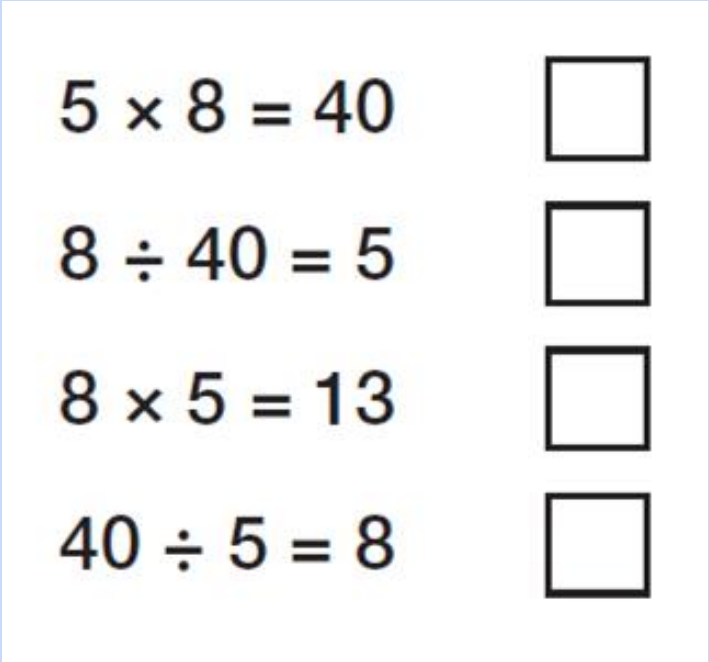
1.7.20

1. Thirteen plus five =
2. Twenty nine minus six =
3. 65= __ + 10 + 20 + 5
4. ___ = 72 - 12
5. 100 = 10 + 20 + ___
6. 89 - 30 = __
7. ___ + 79= 100
8. Order these numbers from smallest to largest.

54	45	56	64

Challenge

Tick the statements that are true.
Show your working.



Morning maths Answers 1.7.20

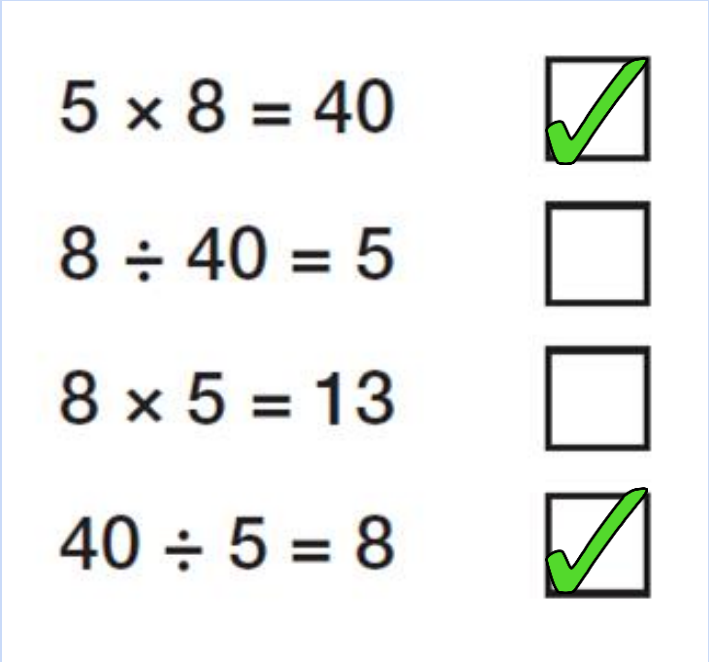
1. Thirteen plus five = 18
2. Twenty nine minus six = 23
3. 65= 30+ 10 + 20 + 5
4. 60 = 72 - 12
5. 100 = 10 + 20 + 70
6. 89 - 30 = 59
7. 21 + 79= 100

8. Order these numbers from smallest to largest.

45 54 56 64

Challenge

Tick the statements that are true.
Show your working.



Maths

Wednesday 1st July

St Catherine's Classroom Beliefs

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Can you think of 5 examples of when you might need to weigh something?

Here are some examples you might have thought of…



- To weigh your suitcase before going on holiday
- To weigh food when you are following a recipe
- To measure your body weight.
- A butcher may weigh the meat to work out the cost.
- They may weigh a parcel at the post office





Well done if you found even more examples!



Today we are going to explore how to measure mass in grams.

The children need to weigh the ingredients for their recipe.

They have a balancing scale and these weights.

How can the children measure the flour and the salt accurately? **Discuss your ideas**.

a) 100 g means 100 grams.

A gram is a unit for measuring mass.

We measure mass accurately by weighing.





I know to put 100 g on the balance and to add flour carefully until both sides are balanced.



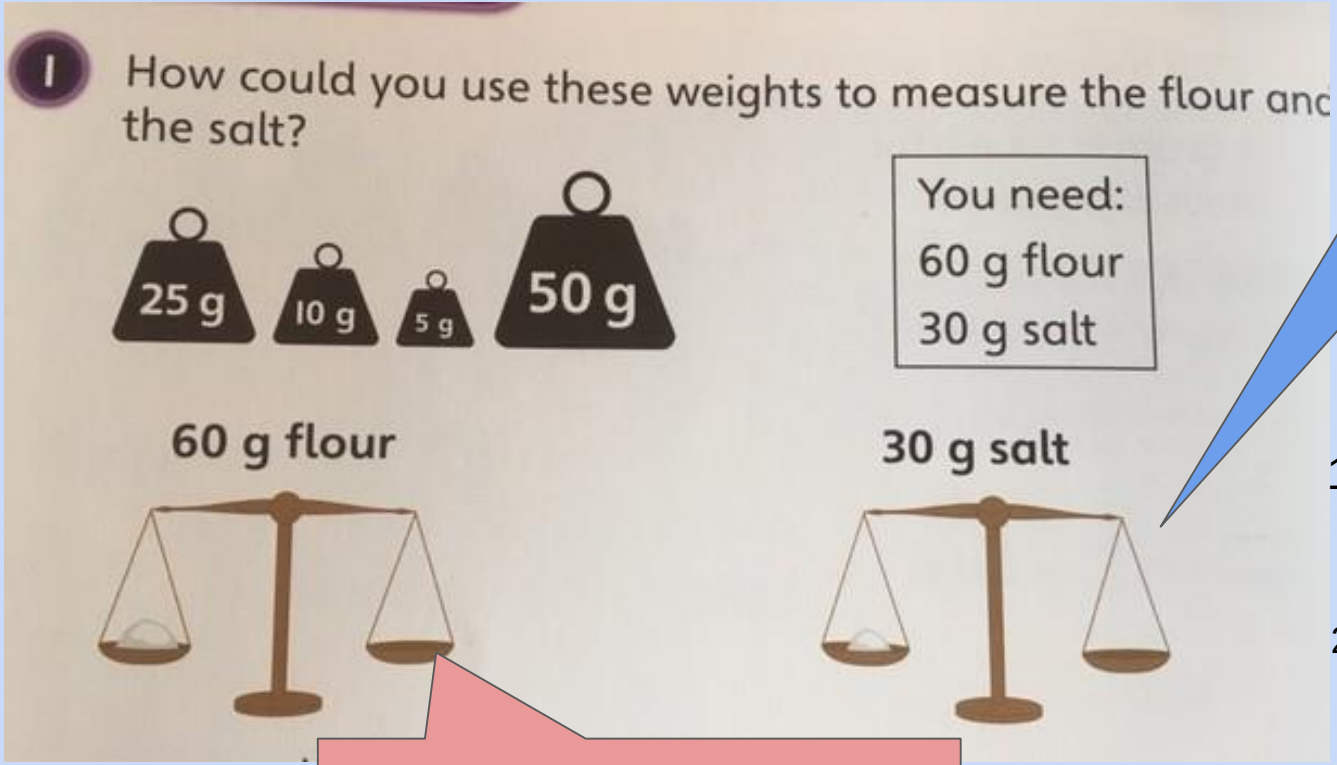
This is how they did it!



I will balance 50 g to measure the salt. If the salt becomes too heavy, I will take some away.



Your go! Read the problem carefully.

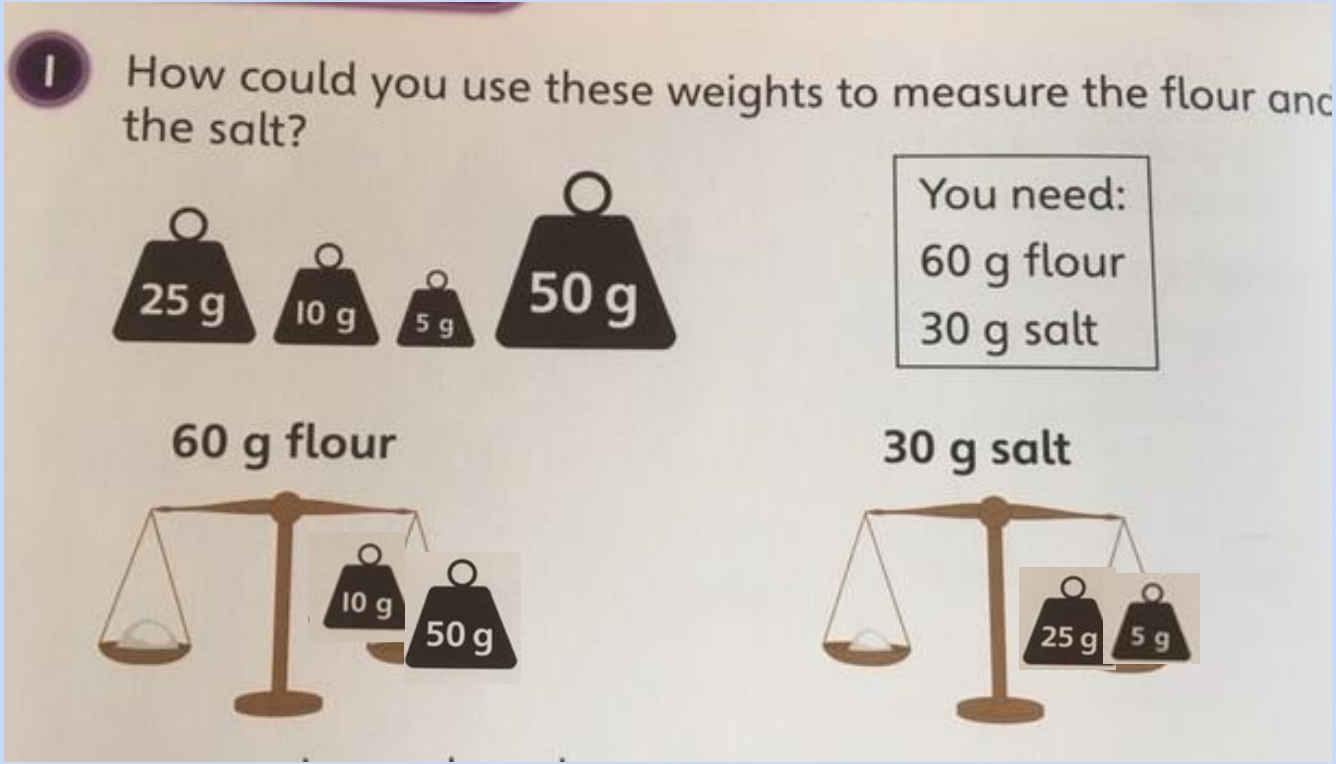


Which weights do you need to put on each scale to help weigh the ingredients accurately?

1. Copy the weighing scales on to a piece of paper.
2. Draw the weights you would use to help you measure the flour and salt.

There isn't a 60g weight. How could you use the weights you have to make 60g?

Answers



50g + 10g = 60g

25g + 5g = 30g

Challenge

Marta wants to measure her salt dough models.



She adds weights until they balance.

The mass of the ☆ is twice the mass of the ♡.

Copy and complete the sentences.

The ♡ has a mass of ☐ g.

The ☆ has a mass of ☐ g.

Challenge Answers

Marta wants to measure her salt dough models.

She adds weights until they balance.



The mass of the ☆ is twice the mass of the ♡.

Copy and complete the sentences.

The ♡ has a mass of **35** g. 20g + 10g + 5g = 35g

The ☆ has a mass of **70** g. 35g + 35g = 70g



As well as balancing scales, you can also measure how heavy something is using a weighing scale. We are going to explore this in more detail tomorrow.

But have a go now at seeing if you can work out how heavy the gingerbread man and the leaf are?

Remember to give your answers in grams.

Morning maths

Handy Hint!
When finding a fraction of an amount, the children are encouraged to draw a rectangle to help them create equal groups..



1. ½ of 40 =
2. ¼ of 44 =
3. ⅓ of 15 =
4. ¾ of 16 =
5. ⅔ of 24 =

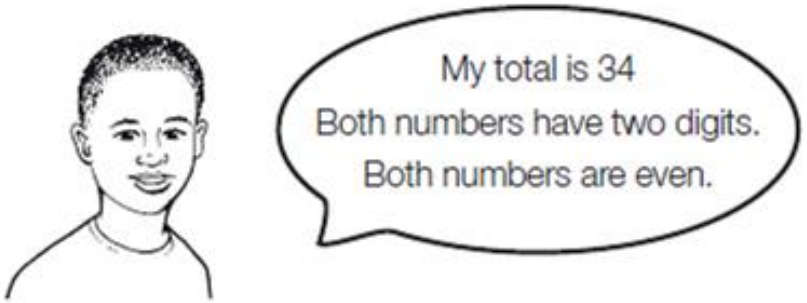
Challenge

2.7.20

Seb has these number cards.

11	23	16	4	18	30

He adds two numbers together.



What are Seb's numbers?

Morning maths Answers 2.7.20

Handy Hint!
When finding a fraction of an amount, the children are encouraged to draw a rectangle to help them create equal groups..

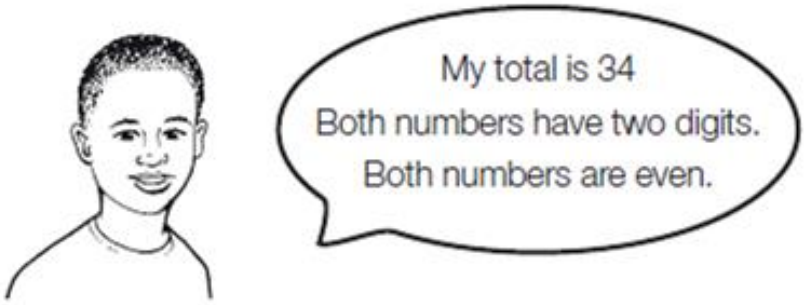


1. ½ of 40 = 20
2. ¼ of 44 = 11
3. ⅓ of 15 = 5
4. ¾ of 16 = 12
5. ⅔ of 24 = 16

Seb has these number cards.

11	23	16	4	18	30

He adds two numbers together. 18 + 16 = 34



What are Seb's numbers?

Maths

Thursday 2nd July

St Catherine's Classroom Beliefs

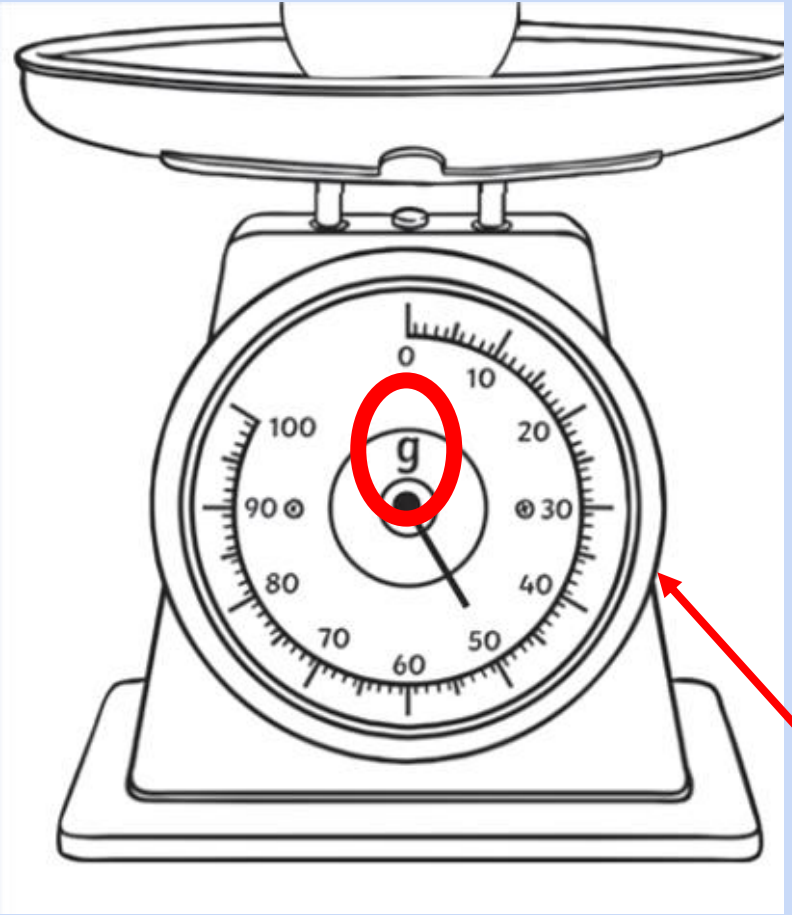
- Mistakes are valuable.
- Everyone can learn maths to the highest level.
- Questions are really important.
- Depth is more important than speed.
- Maths is about making connections.

St Catherine's
CE PRIMARY SCHOOL



Today's focus is going to be on reading weighing scales accurately.

*There is an option to print out an activity in today's lesson, or you can continue to follow the tasks on the slides.
The task sheet can be found in the 29.6.20 maths folder if you would prefer to have a paper copy.

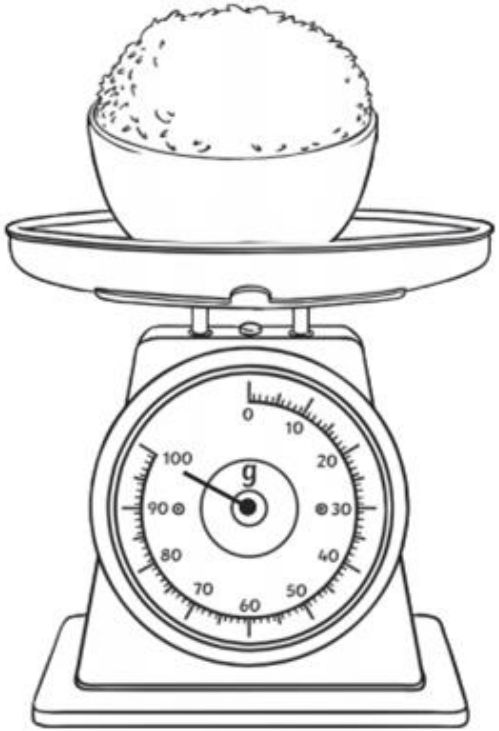


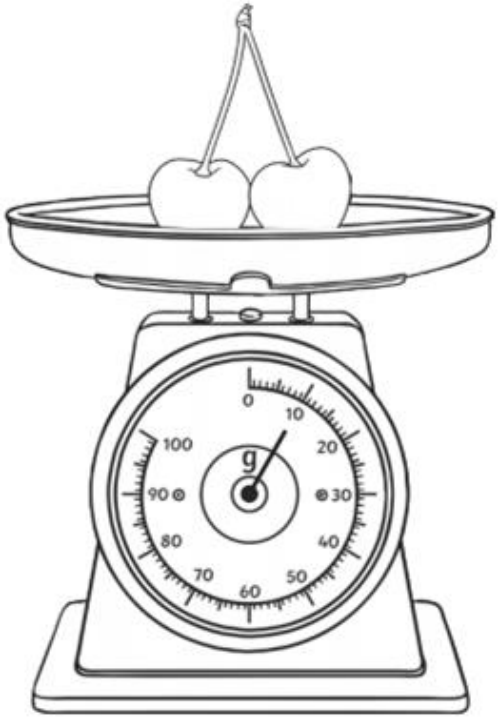
Weighing scales can be read like a clock, the dial indicator moves as the weight increases.

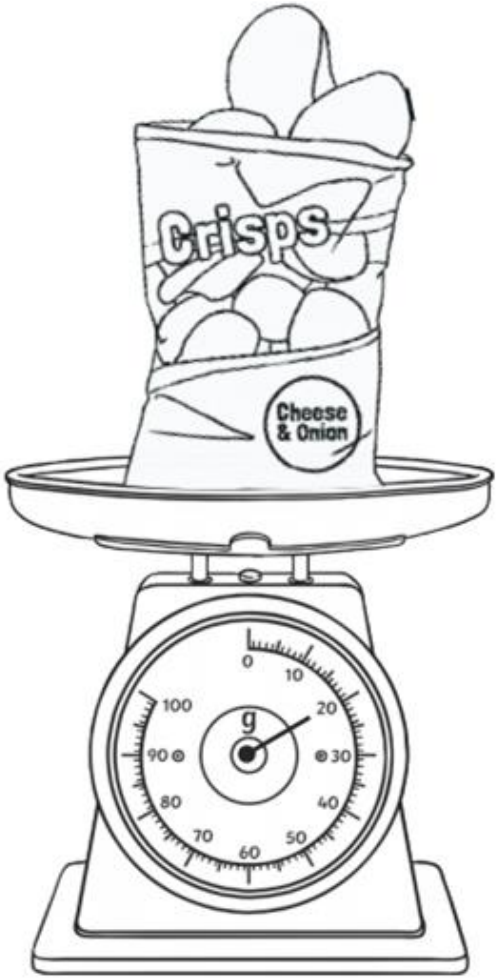
Make sure you look carefully at the dial before you begin to weigh items. Not all weighing scales look the same!

This one is measuring in grams. Each big division measures 10 grams and the small divisions measure 1 gram.

How much do these food items weigh?
Read the scale carefully.

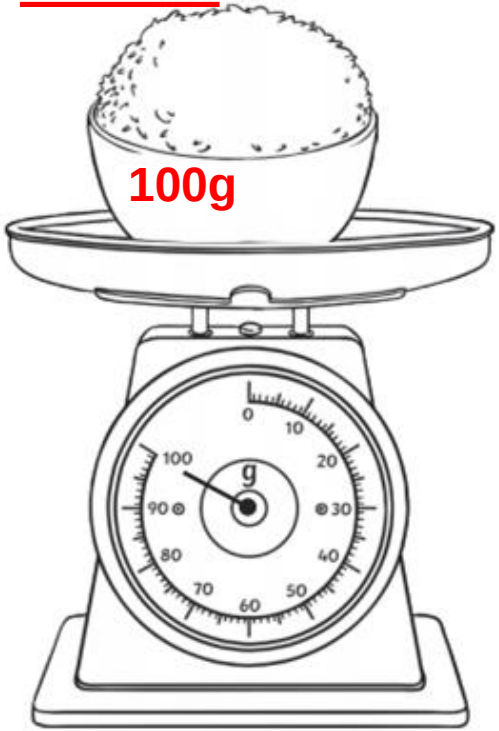


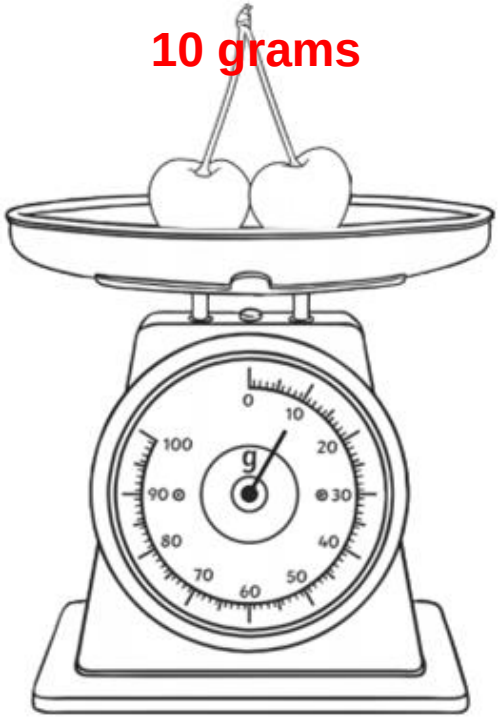


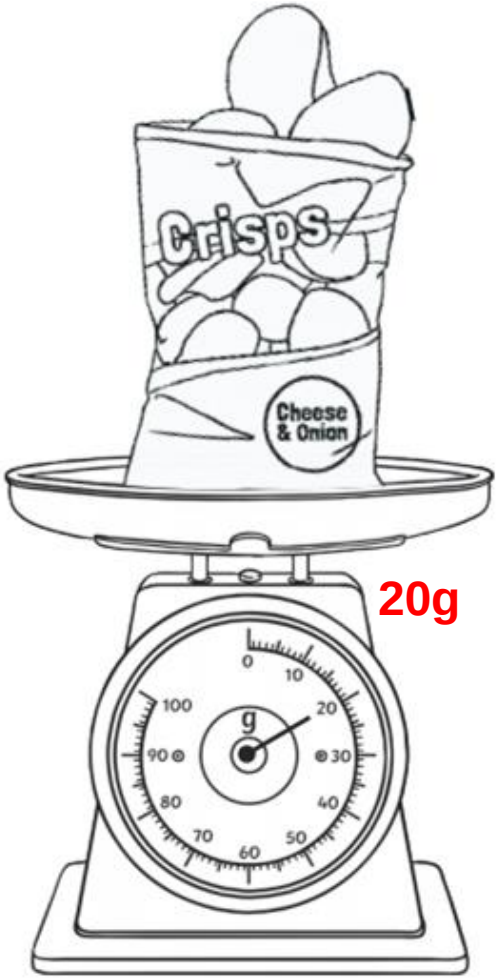


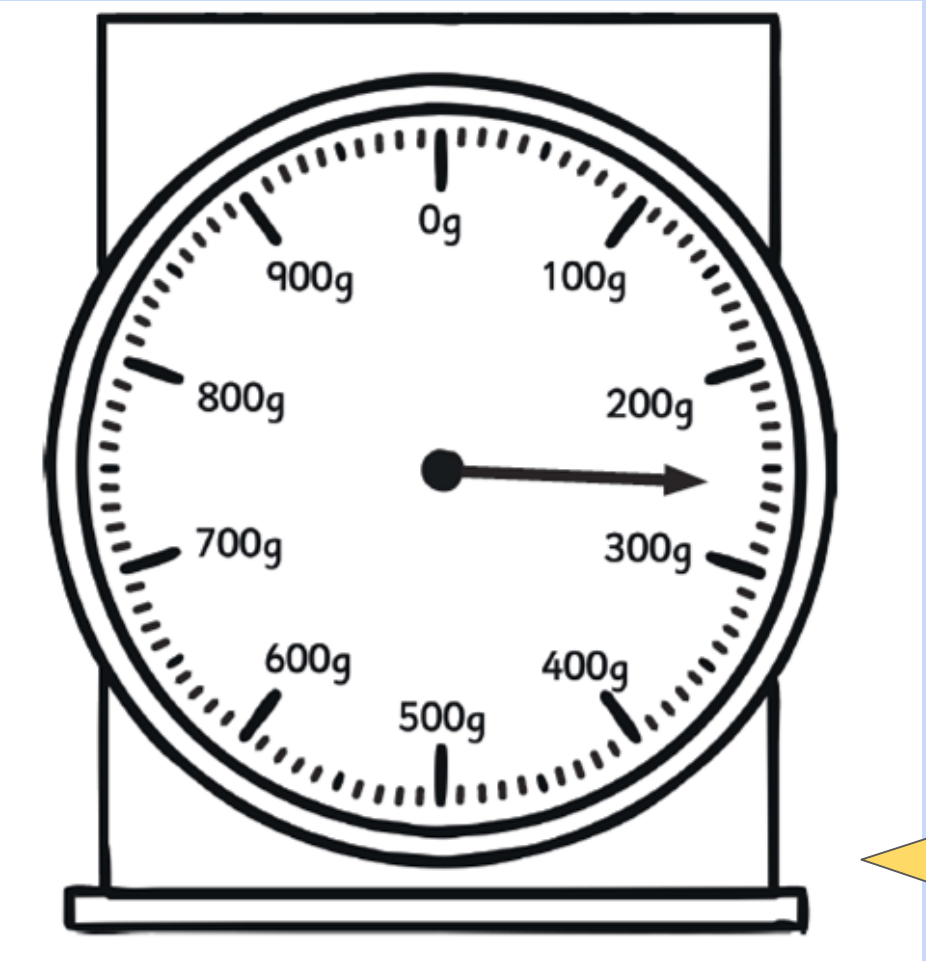
How much do these food items weigh?
Read the scale carefully.

Answers







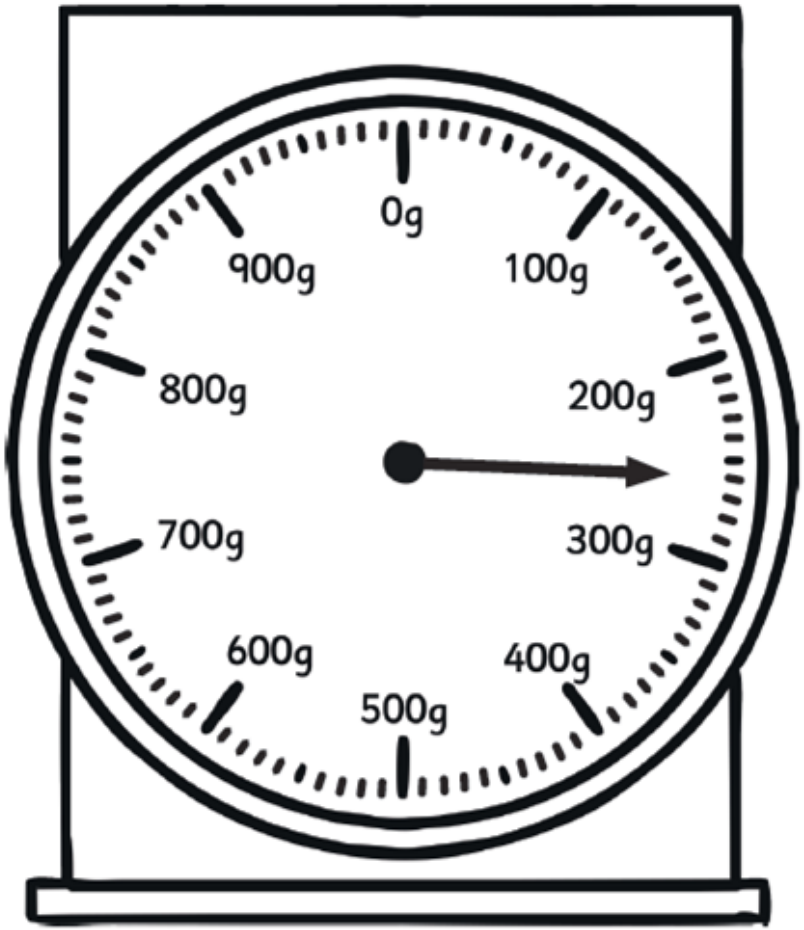


This dial is slightly different. The big line measures 100g and each small line is 10g.

It is currently showing a weight of 260g.

<u>Discussion</u>

Why don't they label every line on the scale with a weight? Why do they only label some intervals?



Task Choices

1. Using a paper copy, draw an arrow on the scale to show where these weights are.

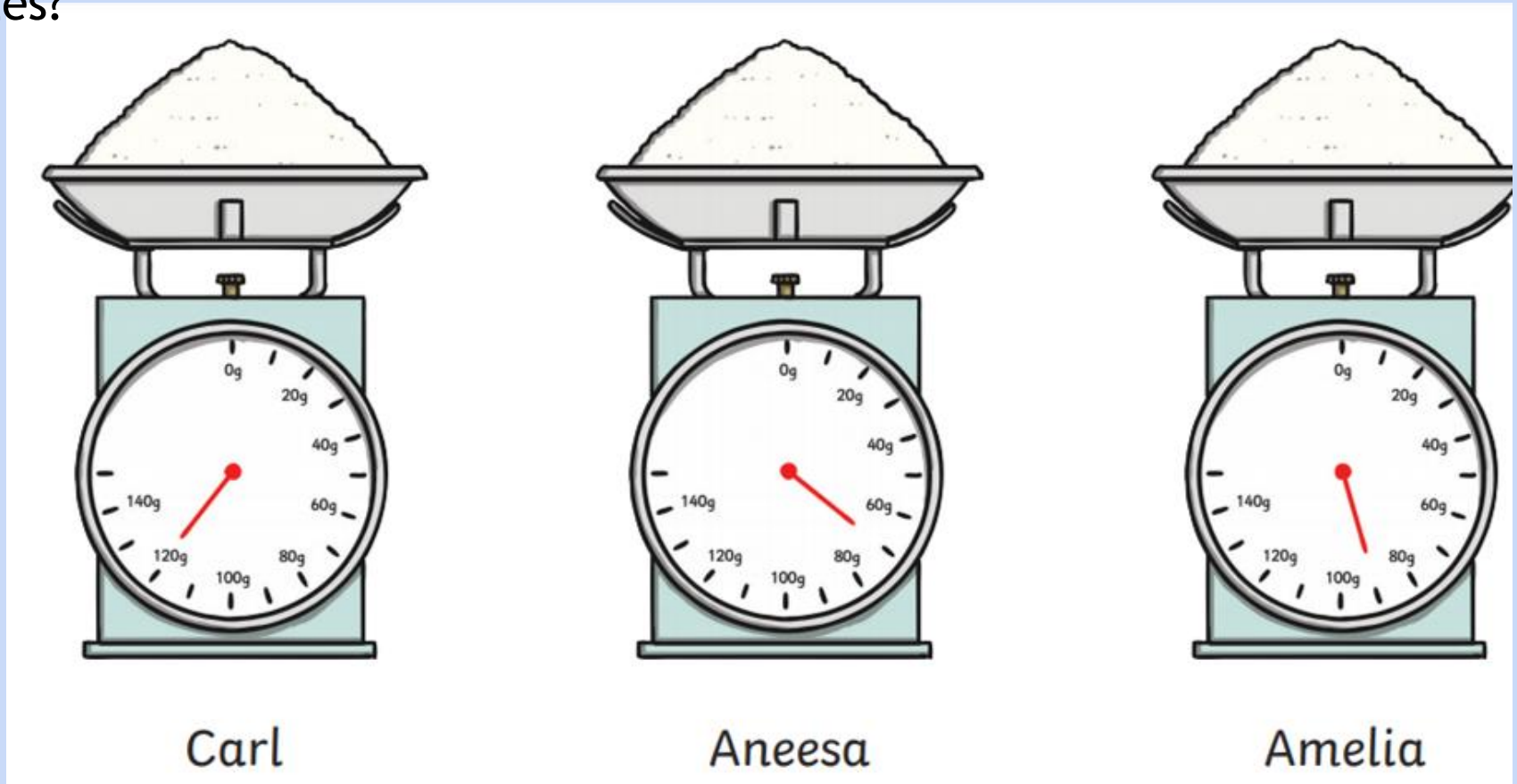
a. 520g
b. 400g
c. 960g
d. 1000g
e. 180g

Or, point to where you think they are on the screen and ask an adult to check if you are right.

Alternatively, if you have a set of scales at home, ask if you can weigh different objects and read their weight from the scale.

Further task

What questions could you ask your friend about what you see on these scales?



Morning Maths

3.7.20

What can you tell me about the number 24?

Tens and ones

Odd or even?

20 + 4

24

Draw it.

__ + __ + __ =

+ ÷ - x

fractions?

Greater than?
Fewer than?

Maths

Friday 3rd July

St Catherine's Classroom Beliefs

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- Questions are really important.
- Depth is more important than speed.
- Maths is about making connections.

St Catherine's
CE PRIMARY SCHOOL

Guess my number!



Take it in turns to think of a number between 1-100, but don't show anyone else your number.

Play guess my number by giving people clues about your number but you mustn't say the number! The vocabulary below might help you with the clues you choose to give.

odd	even	more than	less than
two digit	tens	ones	in between

Today we are focusing on our quick recall of the 2 times table.

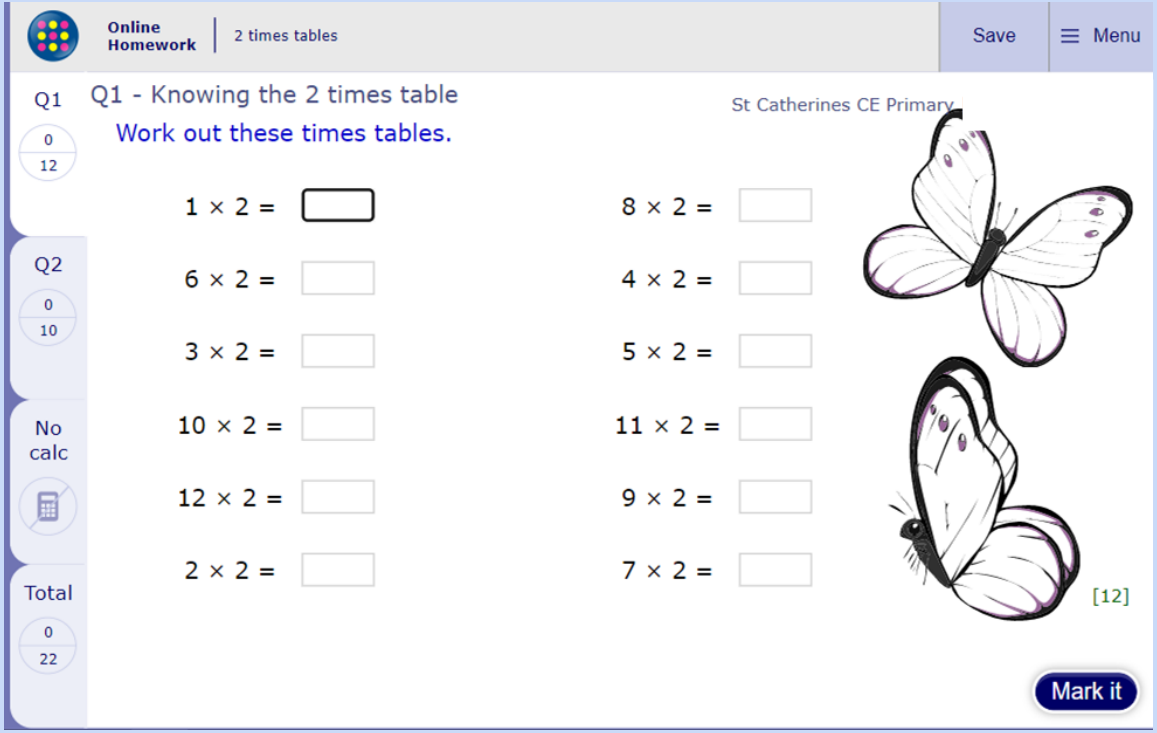
My Maths activity

Lesson: 2 times tables

To start the lesson, click on the image to the right of the screen. This will take you to an interactive lesson.

Click on the next buttons at the bottom of the page to move your learning on and take part in the mini-quizzes along the way to check your understanding.





Now click the image on the left of the screen, this will take you to an online homework where you can test your understanding.

Have a go at the questions and then click ‘Mark it’ to see how you have go on.

Your login details for My Maths were sent home in your first work pack - make sure you log in so we can see how you are getting on.

Prove it!

Tommy says that $10 \times 2 = 22$

Is he correct?

Explain how you know.



Could you draw an array or a picture to support your answer?

Prove it! Answers

Tommy says that 10 × 2 = 22

Is he correct?

Explain how you know.



No he is not correct.

10 x 2 = 20

