

Year 1 home learning

Maths, Summer 1, week 4

Information for parents

This week we are looking at halving shapes and numbers. The children will look at how to half shapes first and then numbers and then use these skills to solve some problems.

- Each week there is **only 1 maths task** we would like to see submitted through google classroom, **this week it is an activity from lesson 3 (it is indicated with a camera picture)**, all other tasks can either be done on the slides or on orange books, but please don't feel you have to show us unless you want to.
- **Resources needed for the week are**

Lesson 1- Introduction to halves found in real life and the symbol we use to represent one half. Lesson ends with an optional task to draw around objects at home to create 2D shapes and test to see if we can fold and cut them in half. (Video demonstration on slide)

Lesson 2- We start off with a range of 2D shapes and need to decide whether or not they have been cut in half. Are they 2 equal parts? Next slides show examples of shapes in half and not in half. We then move on to optional challenges of drawing lines on shapes to cut them in half, in to two equal parts and then finally a problem solving challenge.

Lesson 3- In lesson 3 we are moving on to halving numbers, there are two animated slides to demonstrate how we can share counters evenly to help represent a half. Next there is the activity, Challenge and Super Challenge where you will see the camera icon, this is the piece of work that we would like returned this week!

Lesson 4- Children to solve problems using their knowledge of halving shapes and numbers. Slides with examples and solutions are included.

Mental maths children to choose a column of arithmetic questions to keep up their mental maths skills.

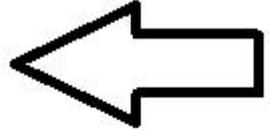
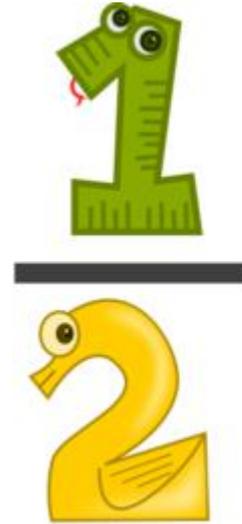
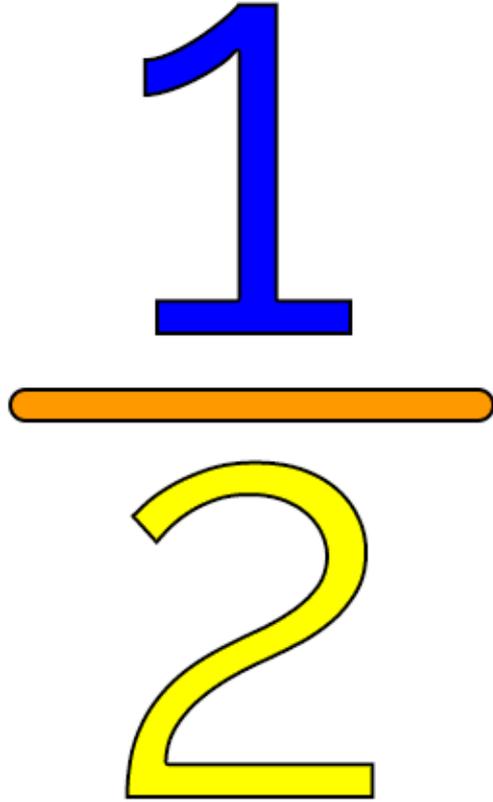
Lesson 1 - Real life halves

The next few slides have some examples of halves that we might see in real life.

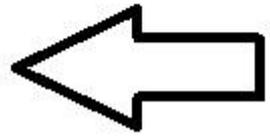
Can you find any other halves at home?

How did we cut our sandwiches for Paddington?

What does this symbol mean? Have you seen it before?



This shows how many parts we have



This show the total number



How do we know
this pizza is cut in
half?

How many pieces
are there?

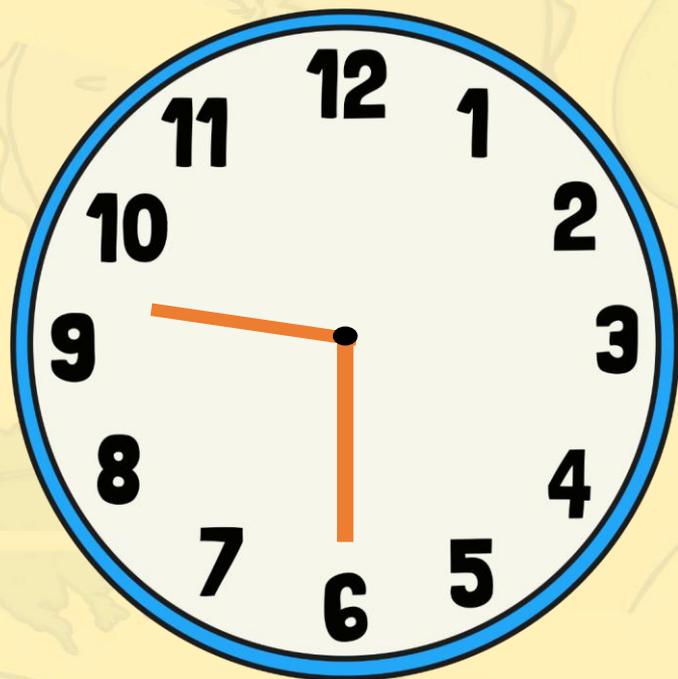
Are they the same?





The pizza is
cut in half,
there are 2
equal
pieces.





Remember, when the big hand is on the 6 it has gone half way around the clock.

The time is half past 9



Is this bucket of water full or is the bucket empty?

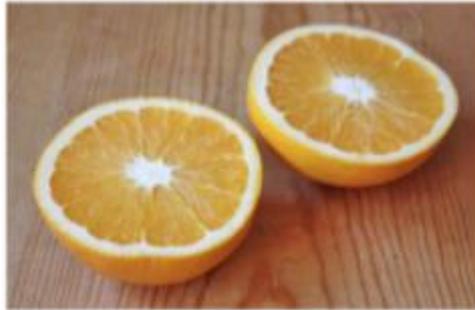
How would you describe it?

Watch this short video of Mr Wood using something at home to draw a shape and see if he can half it!

Can you find any other shapes to draw and half?

video

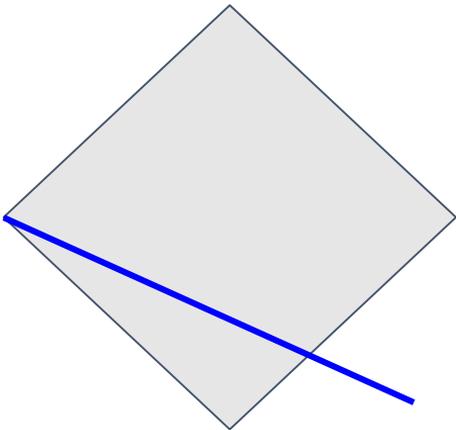
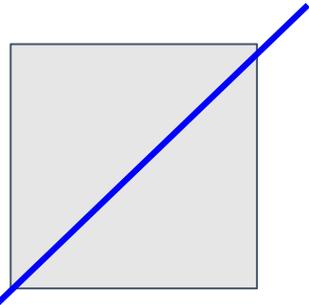
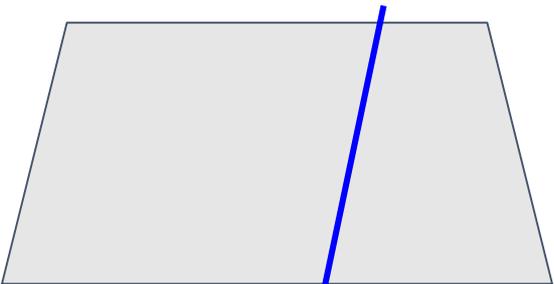
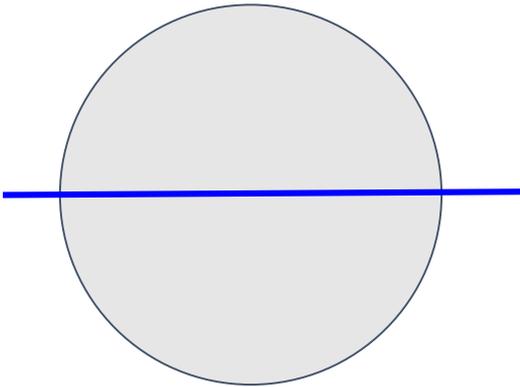
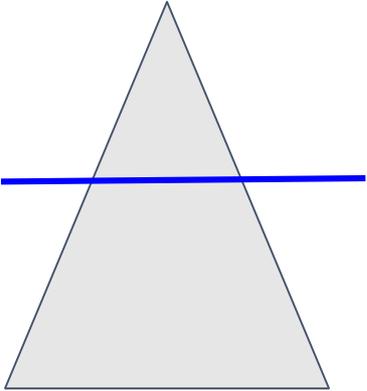
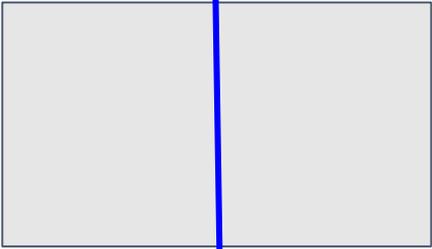
When you are next having some food, see if you can cut it in half. Mr Wood tried cutting some of his food in half, has he made any good mistakes?



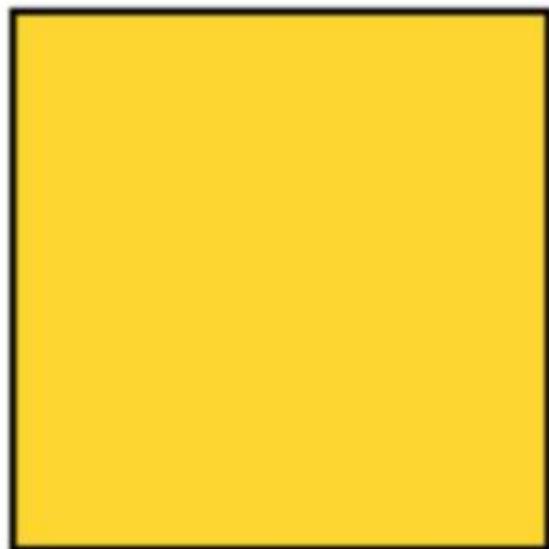
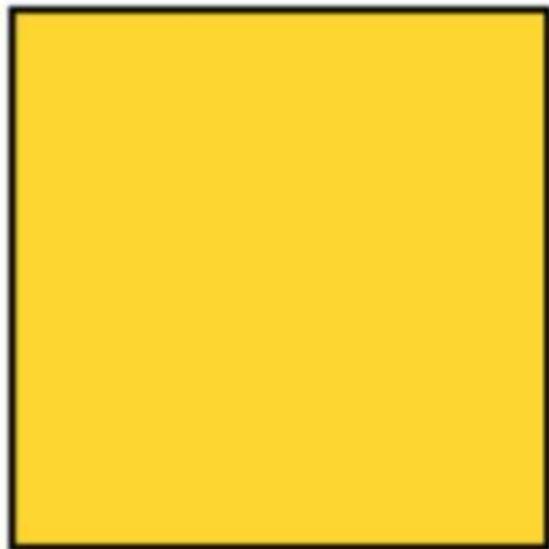
Lesson 2

Halving shapes

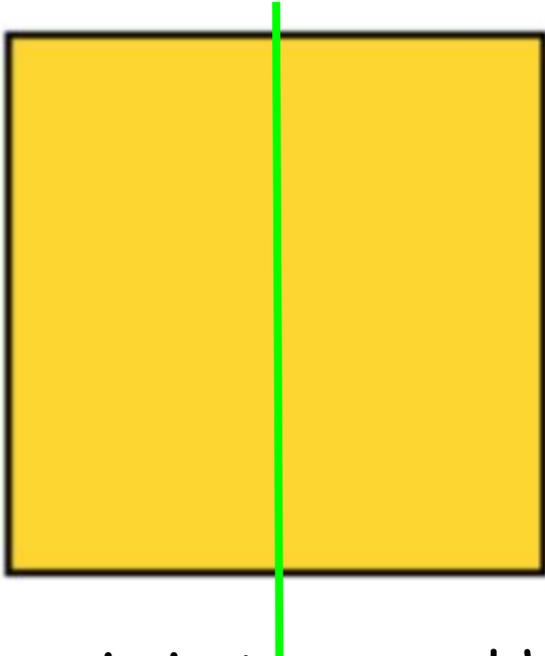
Which of these shapes have been cut in half?
Remember, if we cut something in half, there are 2 equal parts!



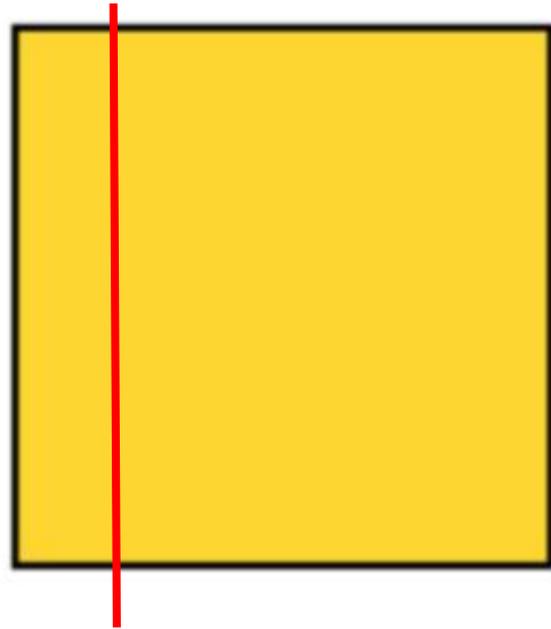
Cut this shape in half and not half



Cut this shape in half and not half

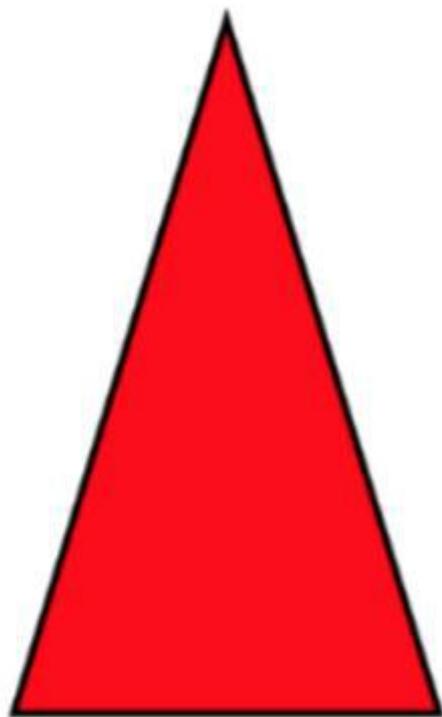
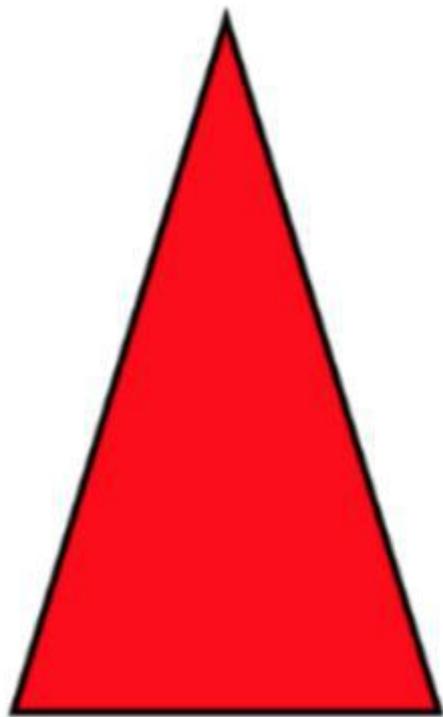


The shape is in two equal halves

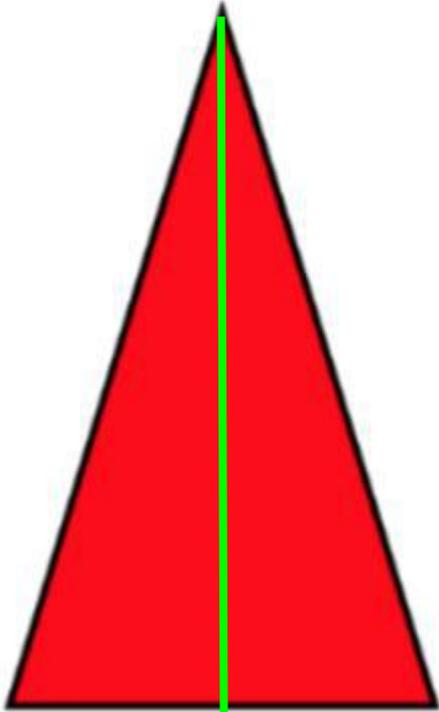


The shape is not cut in half
as the sides are unequal

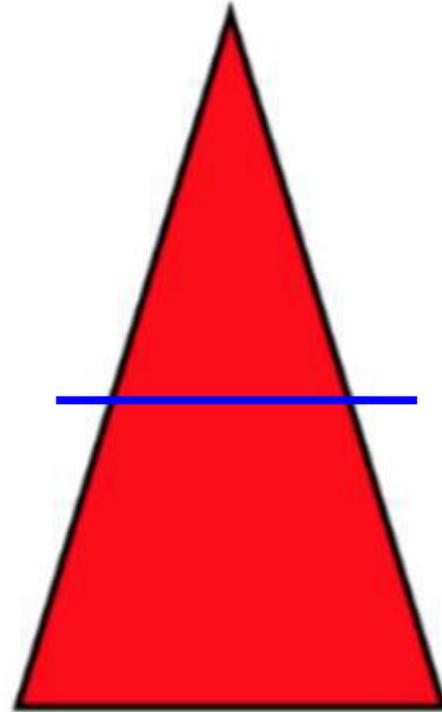
Cut this shape in half and not half



Cut this shape in half and not half



The shape is in two equal halves

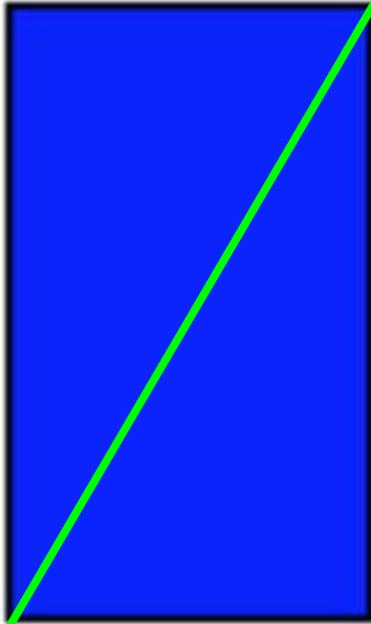


The shape is not cut in half as the sides are unequal

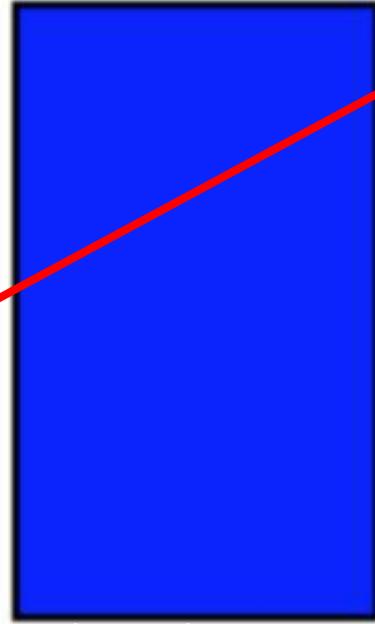
Cut this shape in half and not half



Cut this shape in half and not half

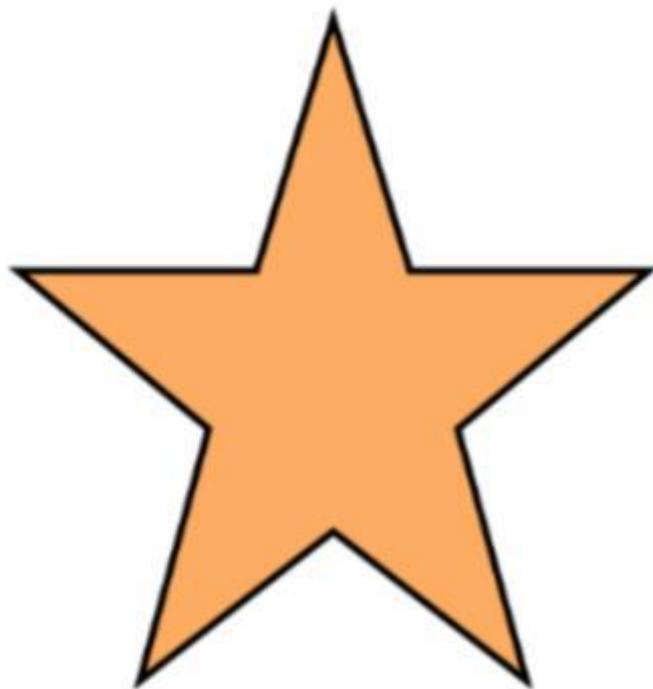


The shape is in two equal halves

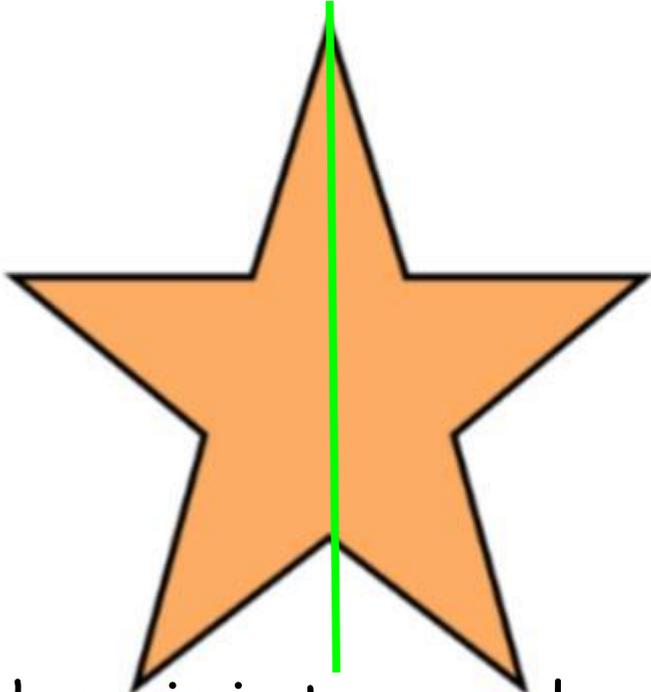


The shape is not cut in half as the sides are unequal

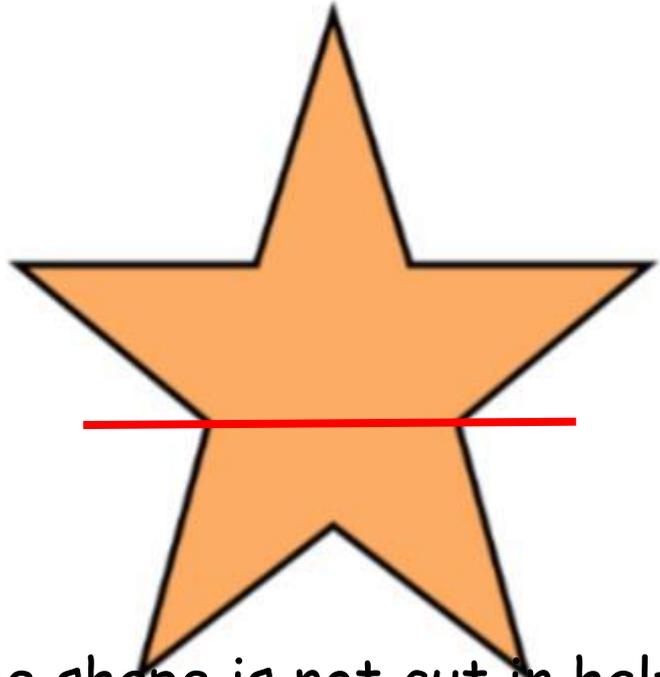
Cut this shape in half and not half



Cut this shape in half and not half

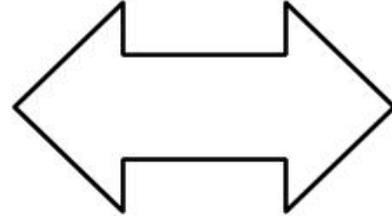
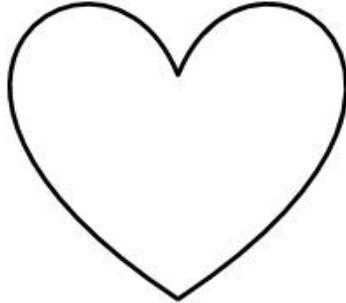
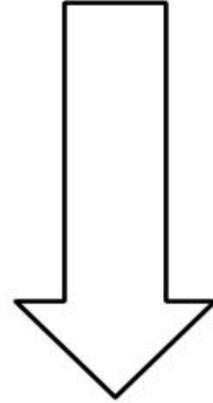
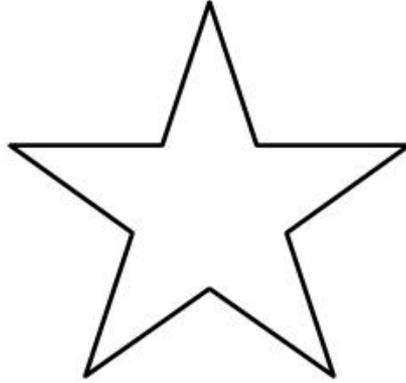
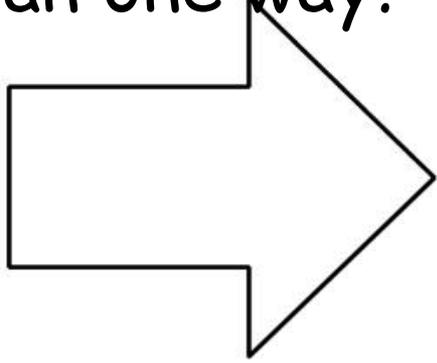


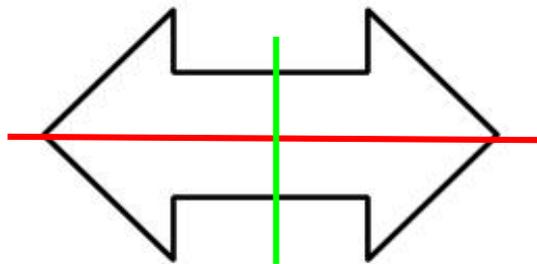
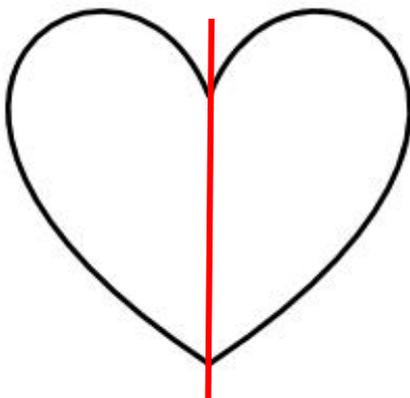
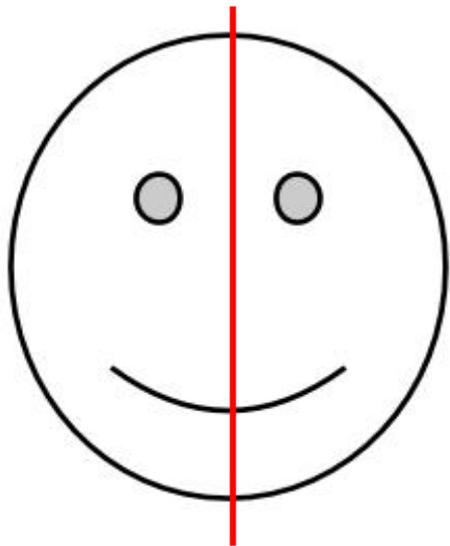
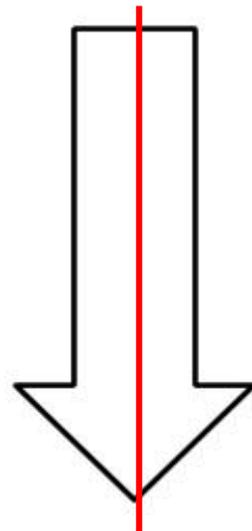
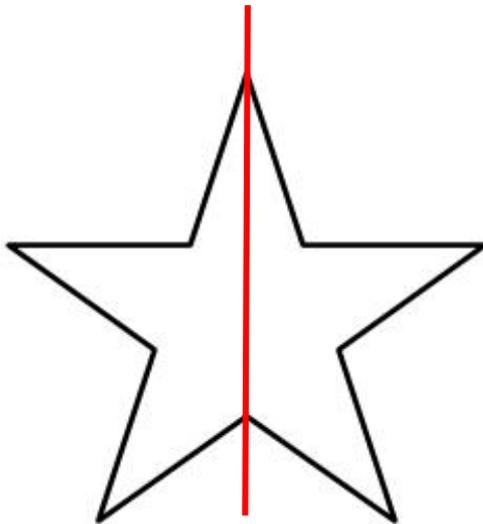
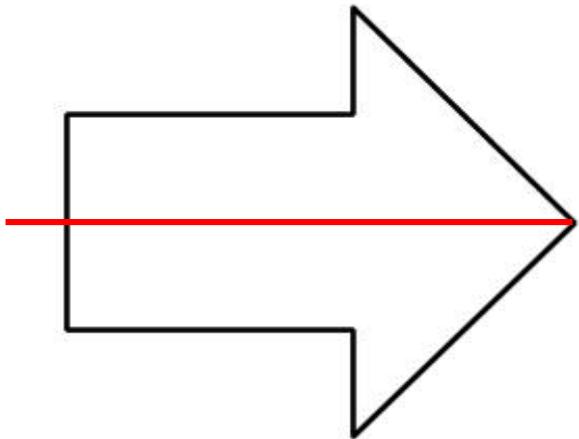
The shape is in two equal halves



The shape is not cut in half as the sides are unequal

Challenge - Can you draw a line to cut these shapes in half? Can any of them be halved in more than one way?



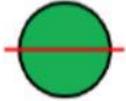


Jules and Freddy are both attempting to split a circle in half.

Jules



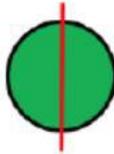
My way is the only way to show a half.



Freddy



My way is the only way to show a half.



Super Challenge

Click onto the next slide to see how I found my answer.

Who has correctly split the shape in half? Explain your answer.

Jules and Freddy are both attempting to split a circle in half.

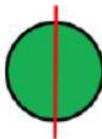
Jules

My way is the only way to show a half.

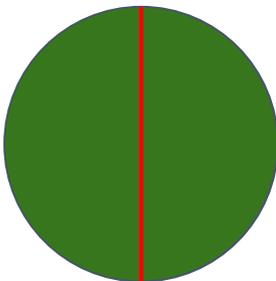


Freddy

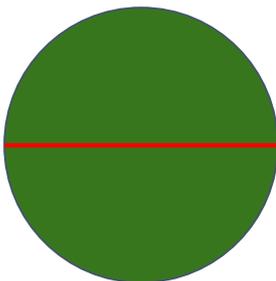
My way is the only way to show a half.



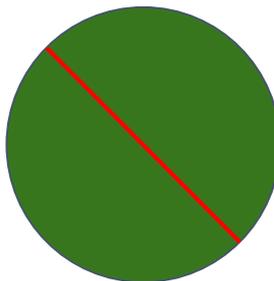
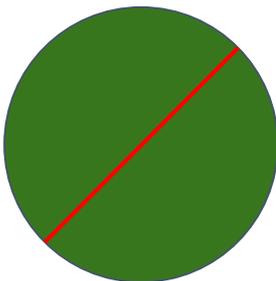
Who has correctly split the shape in half? Explain your answer.



Look carefully!
These are two equal parts



These are also two equal parts

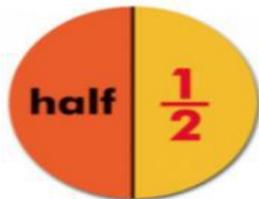
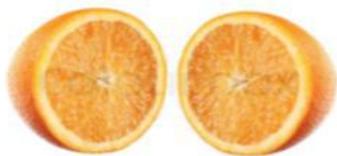


We could even cut the circle in half these ways!

Lesson 3

Halving numbers

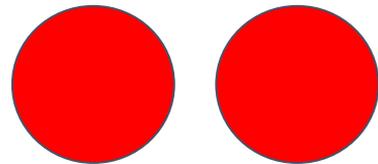
We have halved shapes...



Now we are halving numbers!

Let's look at some even numbers and how to halve them.

Look at the next slide to see how I
have used these counters to find out
half of 2.



Half of 2 is _____.

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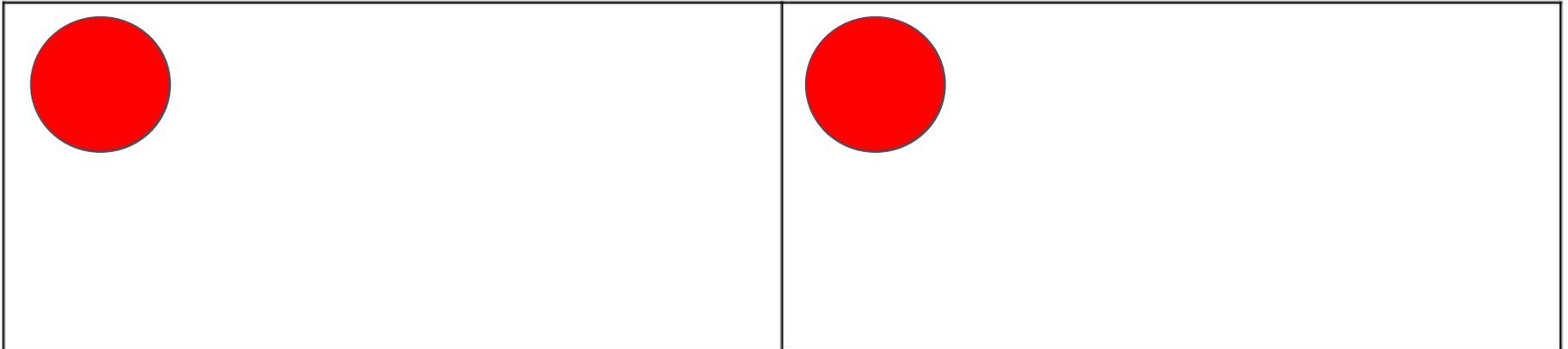
I have remembered our learning from last week about sharing and I have shared the counters equally in to the boxes.

I started with 2 counters because that is our whole number.

There are 2 boxes because when we half something there are 2 equal parts.

There is one counter in each box, so I know that half of 2 is 1

Half of 2 is 1.

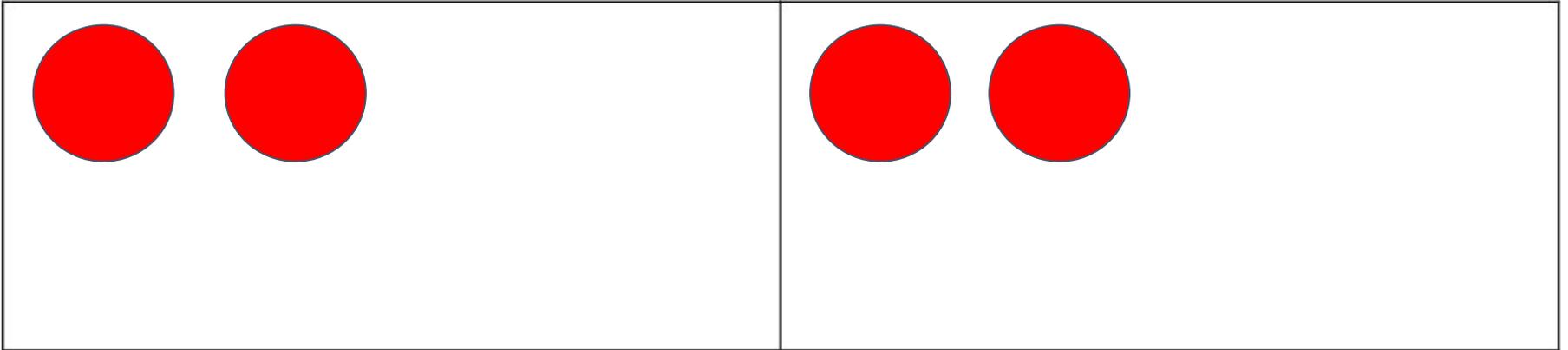


Let's look at one more example together and then you can try some on your own!

4 is our whole number so I have shared 4 counters equally and there are 2 counters in each box.

Half of 4 is 2.

I know that half of 4 is 2.



Activity



Remember to draw the counters in the boxes to help you.

Count carefully

Share the counters equally, one each and one at a time!

There are more challenges on the next slides.

Good luck!

Half of 6 is _____.

--	--

Half of 8 is _____.

--	--



Half of 10 is _____.

Challenge

--	--

Half of 12 is _____.

--	--

Half of 14 is _____.

--	--



Half of 16 is _____.

Super Challenge

--	--

Half of 18 is _____.

--	--

Half of 20 is _____.

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Lesson 4

Halving challenges

How many different ways can you shade one half of the shapes?

You can look at the next slide to see some of my examples.

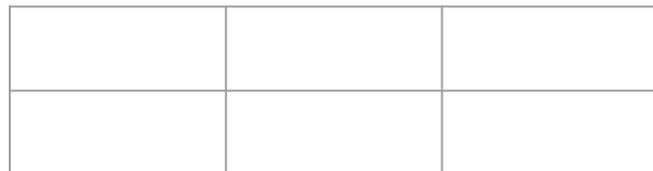
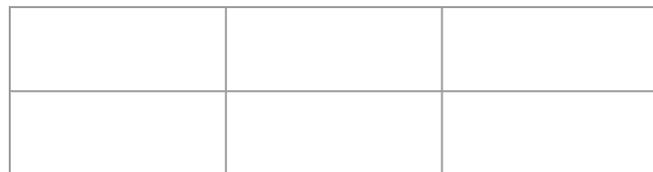
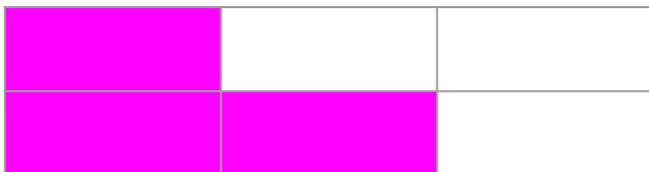
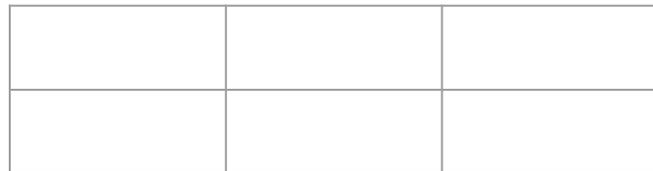
How many boxes are there in each shape?



How many have I coloured in each shape?



Can you think of more ways we could show half?



How can we cut these objects in half?

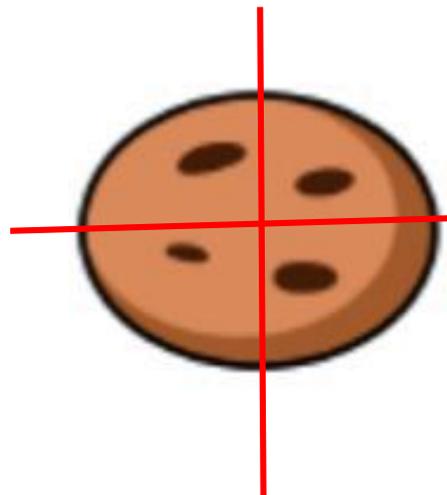
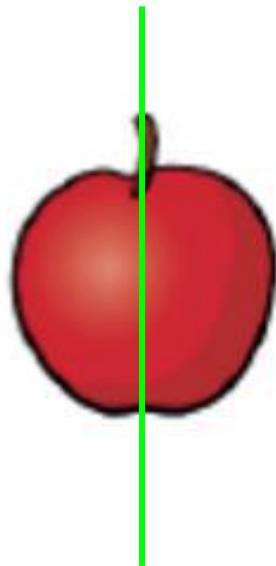
Draw a line to cut the objects in half.



Can any of the objects be cut in half in more than one way?

Remember - When we cut something in half, both parts need to be equal or the same!

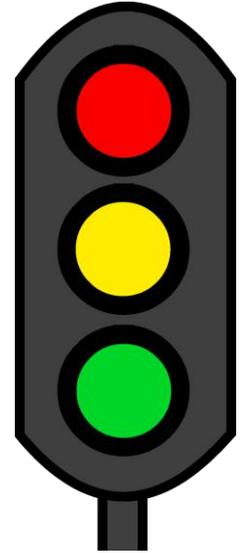
Try drawing lines to cut these objects in half first, then you can check the next slide to see if you were right!



Lesson 5

Mental maths

Mental Maths practice



Have a go at these addition and subtraction problems. Remember the different strategies we use at school (counting on, counting back, number bonds and other fast facts...) Don't forget to look carefully at + or -

Choose which colour challenge you feel ready for!

$4+6=$

$7-2=$

$3+5=$

$9-6=$

$2+4=$

$8-3=$

$10-7=$

$11+6=$

$14+5=$

$18-8=$

$22-11=$

$27+3=$

$12+15=$

$14+14=$

$22-17=$

$21+17=$

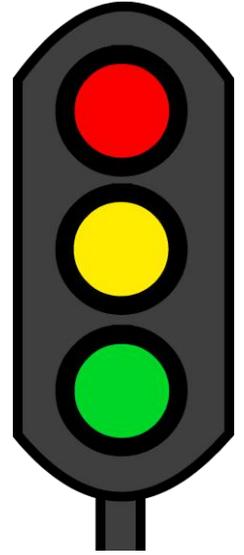
$34+33=$

$31-29=$

$30-17=$

$39+41=$

$47-29=$





Maths
Superstar