

Thursday 11th June

WALT: Find half of a shape and an amount

Lesson taken from BBC bitesize: <https://www.bbc.co.uk/bitesize/articles/zwphjsg>

Today we are going to learn how to find a half of a shape or an amount.

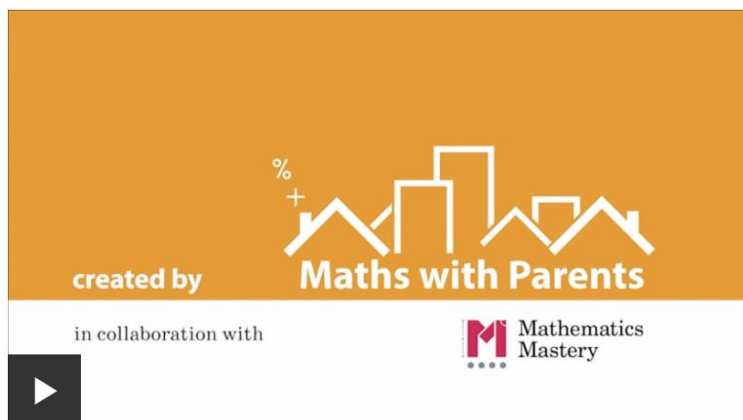
This lesson includes:

- two videos
- three activities

*Created in partnership with Maths with Parents and NRICH*

### Learn

To start today's lesson, watch this video from Maths with Parents that explores how to find a half of a shape or an amount.



Remember what you have learnt so far this week about fractions.

A **fraction** tells you how many parts of a whole you have. Fractions are shown by having one number on top of another, for example:

**1** numerator  
—  
**2** denominator

There are **two** parts to a fraction:

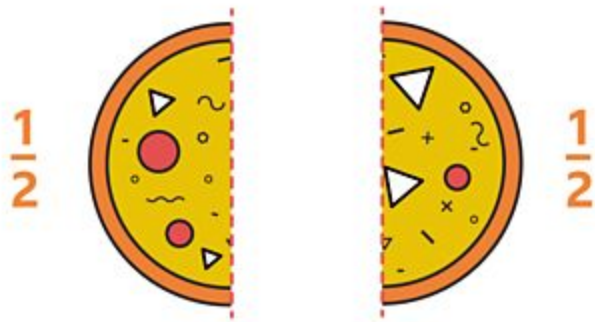
- The number on top, called the **numerator**, shows how many parts you have (**1** in this example).
- The number on the bottom, called the **denominator**, shows how many parts something has been divided equally into (**2** in this example).

$\frac{1}{2}$  means '1 part of something' that has been 'divided into 2 equal parts'.

We call this a **half**.

If you add two halves together you get one whole.

$$\frac{1}{2} + \frac{1}{2} = 1$$



If you want further explanation on halves have a listen to this fun song from [1st level Maths and Numeracy](#).

### Top tip

Remember when a whole is divided into **halves**, they must be **equal**.

### Practise

#### Activity 1

#### Treasure Hunt

Try this fun treasure hunt activity from [Maths with Parents](#) to explore finding halves of an amount.

1. Ask your child to collect piles of different items from around the house, such as:

- building blocks

- teddies
- shoes
- pencils

They will need to collect more than one of each item.

2. Put the items in a pile and then challenge your child to share each pile equally between the two of you.

- Some piles of objects will be shared out in whole numbers, but you might have some interesting conversations about why this isn't true for all numbers of things.
- Do they notice anything about the numbers which end up with you having a different number of items each?

3. Once your child has shared the items between you, ask them to count each item to make sure that you have half each.

## Activity 2

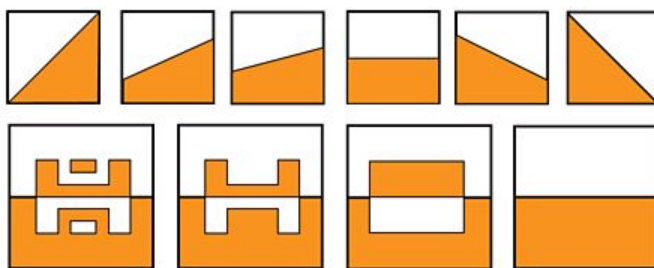
### Halving

Try this activity from [NRICH](#) to explore ways of finding half of a shape.

The images below show squares split in half:

- How might you check that each was correct?
- Can you think of more ways to split a square into two halves?

You can use a sheet of paper to work out your answers or a small white board and a ruler if you have them.



Once you have tried the activity, follow this link to the [solutions on the NRICH website](#) to see how your solutions compare with those of other children.

## Activity 3

### Karate Cats

Play the number and place value level of Karate Cats Maths - can you collect a cool new costume for your cats?



[Play Karate Cats Maths Game For Kids | Free Online Maths Games](#)