

Maths Week 7

Message

Hi Year 1

This week, we are learning about fractions. This is a new topic and there are some videos that you can watch to help you. Look carefully at which video we would like you to watch, as we can't link directly to individual videos.

By the end of the week, you should be able to:

- recognise, find and name a half as one of two equal parts of an object, shape, or quantity
- recognise, find and name a quarter as one of four equal parts of an object, shape, or quantity.

If you have time, you could also play numbots, do an online maths investigation/game or do an activity on MyMaths.

Have lots of fun with fractions!

Love,

Ms Higgins, Ms Tapp, Ms McMillan, Ms Jones and Ms Crawford

Lessons

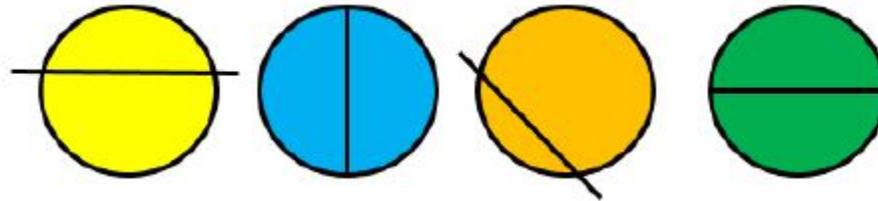
Lesson 1

For this lesson, you will need 2 squares of paper and some scissors (you might want more squares in case you make a mistake).

We need to share a square equally between 2 teddies. You might already have an idea about how to do this. Think carefully - we need 2 equal parts. Once you have shared the square, have a think about how you can check that you definitely made the 2 parts equal. Maybe you could put one on top of the other. Did you fold the square before you cut it? Now see if you can share the paper a different way.

What you have been doing is cutting the paper in half. Each teddy gets half a square.

Now have a look at these shapes. Which have been split in half? Remember, when we split things in half we get two equal parts.



Now watch a video on this page: <https://whiterosemaths.com/homelearning/year-1/>

You should watch the video under Summer Term - week 1 (w/c 20th April) called **Lesson 4 Find a half (1)**

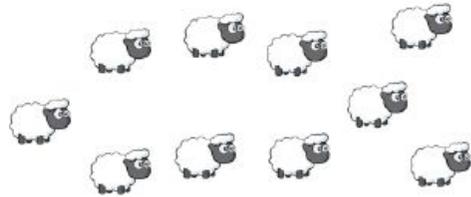
There's no need to complete the worksheet referred to at the end of the video.

Lesson 2

For this lesson, you will need 10 small objects such as beads, grapes or lego bricks. You will also need a bowl. Can you put half of your objects into the bowl?

Then ask an adult to count out a different number of objects for you (still below 10). How quickly can you put half in the bowl this time? Think about how you know how many to put in the bowl. Ask an adult to count out a different number of objects, and again you should try to put half of them in the bowl. Are there any numbers your grown up gives you where you can't put exactly half in the bowl? Why is this?

Can you work out how many sheep there would be if we took half of them away?



Now watch a video on this page: <https://whiterosemaths.com/homelearning/year-1/>

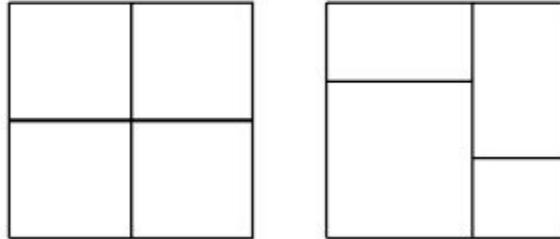
You should watch the video under Summer Term - Week 2 (w/c 27th April) called **Lesson 1 Find a half (2)**

There's no need to complete the worksheet referred to at the end of the video.

Lesson 3

For this lesson, you will need some paper cut into different shapes: some squares, some rectangles and some circles.

First, look at these squares:



Both have been split into 4 parts, but which has been split into equal parts?

When a shape is split into 4 equal parts these parts are called quarters. See if you can split your shapes into quarters by folding and using your scissors. There should be more than 1 way of splitting the shapes into quarters, see how many ways you can find!

Now watch a video on this page: <https://whiterosemaths.com/homelearning/year-1/>

You should watch the video under Summer Term - Week 2 (w/c 27th April) called **Lesson 2 Find a quarter (1)**

There's no need to complete the worksheet referred to at the end of the video.

Lesson 4

For this lesson, you will need 16 small objects.

First, look at these sweets. I want to give a quarter of them to my friend. Can you explain how I should do this?



Maybe you thought I should put them into four equal groups, and then give one of those groups away. That would be great if you did, because last time we learnt that splitting something into quarters is all about making four equal parts. Maybe you used the colours to help you to group them.

Now take your 16 objects. Can you find one quarter of them? You could use four bowls or cups to help you to put them into equal groups. Or maybe you can put them into an array like the sweets above are.

Now get just 12 of your objects, Can you find one quarter of them now?

Now get just 8 of your objects. Can you find one quarter of them now?

Now get just 4 of your objects. Can you find one quarter of them now?

Now get just 6 of your objects. Can you find one quarter of them now? Is it possible?

Now watch a video on this page: <https://whiterosemaths.com/homelearning/year-1/>

You should watch the video under Summer Term - Week 2 (w/c 27th April) called **Lesson 3 Find a quarter (2)**

There's no need to complete the worksheet referred to at the end of the video.

Lesson 5

Have a look at this picture. Four children are sharing this picnic equally. How much of each thing will each child get? You could have a go at making these picnic items out of paper if you wanted and could actually try sharing it all out, maybe between 4 teddies.



Now have a think about these tricky questions:

Would you prefer half of Tom's lego blocks (he has 20) or half of Sarah's lego blocks (she has 16)?

Would you prefer quarter of Sophie's marbles (she has 12) or quarter of Max's (he has 16)?

Would you prefer half of Jenny's sweets (she has 12) or quarter of Ted's (he has 20)?

You could draw pictures to help you to work it out.

Investigations

Click on the following links for some fraction investigations:

[Happy Halving](#)

[Same Shapes](#)

Website Links

<https://www.topmarks.co.uk/Search.aspx?Subject=16&AgeGroup=2>

<https://play.numbots.com/#/intro>

You will have received an email with information about this and with login details.

[MyMaths](#)

Use our school log in (Username: **coleridge1**, Password: **success74**) and then your own log in details to access activities on the MyMaths website.

We have added some more activities.

