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	This tells you which page you need.
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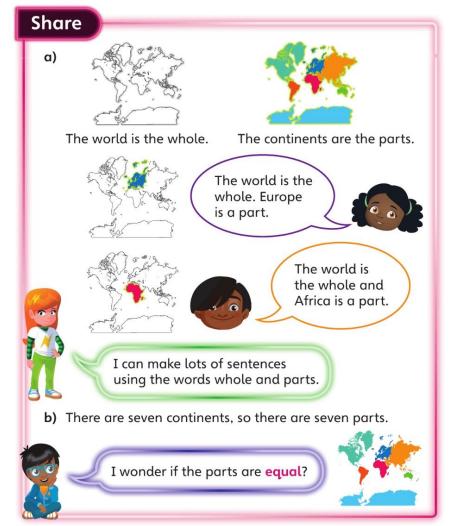
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The first page of a lesson is a maths problem. Don't look at the next page until you have had a go! The third and fourth pages give you practice, so you can check your understanding.



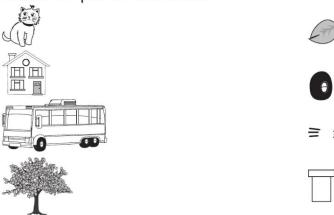
Introducing whole and parts





Introducing whole and parts

Match the part to the whole.



2 Complete the sentences about the truck.

Use some of the words in the list.



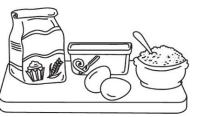
wheel truck light bumper window The _____ is the whole.

The _____ is a part.

The _____ is the whole.

The _____ is a part.

3 Write two sentences about these images.





a) The _____ is the whole and the

_____ is a part.

b) The flour is a _____ and the cake is the

.____.

4 For each image, write two sentences about the whole and parts:



a) 💸





Understanding non-unit fractions



- a) What fraction of the children are boys? What fraction of the children are girls?
 - **b)** Ola's kite is $\frac{3}{4}$ red. Draw the kite.

Share



There are 3 children.

The denominator is 3.

I of the children is a boy.

The numerator is I.

of the children are boys.

2 of the children are girls.

The numerator is 2.

 $\frac{2}{3}$ of the children are girls.

b) $\frac{3}{4}$ of the kite is red.

The denominator is 4.

So there are 4 equal parts.

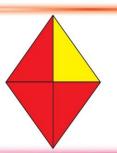
The numerator is 3.

So 3 parts are red.

 $\frac{1}{3}$ is a unit fraction because the numerator is I. $\frac{2}{3}$ and $\frac{3}{4}$ are non-unit fractions.

What do you notice about the numerators?

 $\frac{2}{3}$ is read as two-thirds and $\frac{3}{4}$ is read as three-quarters.



Understanding non-unit fractions

Complete the sentences.

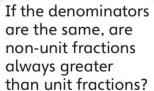
There are equal parts.

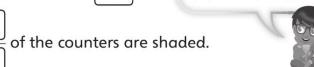


The denominator is

parts are shaded.

The numerator is









<u>2</u>



3 a) Shade $\frac{2}{3}$ of the balloons.



b) Circle $\frac{2}{4}$ of the bottles.







(4) a) Do you agree with Sam?





Explain your answer.









Match each shape to the fraction shaded.

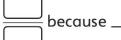
<u>2</u>





b) What fractions can you see?

Explain how you know.



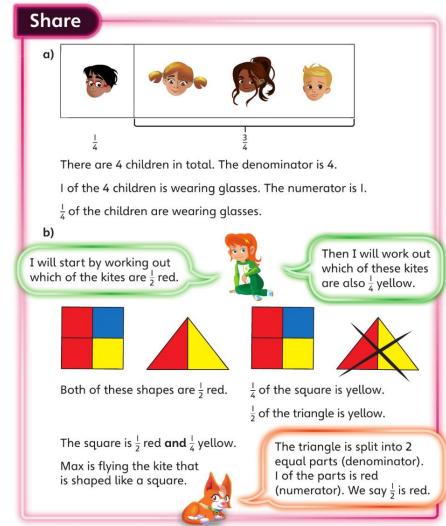


Unit and non-unit fractions

Discover



- a) What fraction of the children are wearing glasses?
 - b) Max's kite is ½ red and ¼ yellow.
 What shape is the kite that Max is flying?



Lesson 3			
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Unit and non-unit fractions

Complete the sentences.





There are birds altogether.
The denominator is .
birds are flying to the right.
The numerator is .
of the birds are flying to the right.
Match each shape to the fraction that shows how much of is shaded.
1/4

1/2

	$\frac{1}{5}$ of the cars are
	have numbers on the roof. are
	4 a) Divide the bar into 2 equal parts. Shade in $\frac{1}{2}$.
the shape	b) Divide the bar into 3 equal parts. Shade in $\frac{1}{3}$.

3 Complete the sentences.

- c) Use your answers to a) and b) to help complete the following expressions. Use the <, = or > sign for each expression.



Tenths



- **1)** a) What fraction of the whole jigsaw is I piece?
 - **b)** Danny removes 2 pieces of the jigsaw. What fraction does he remove?

Is the answer the same no matter which pieces he removes?

Share

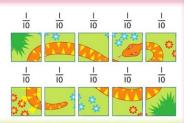
a) The jigsaw is split into 10 equal parts.

The denominator is 10.

One jigsaw piece is I part of the whole jigsaw.

The numerator is I.

I piece is $\frac{1}{10}$ of the whole. $\frac{1}{10}$ is written as **one-tenth**.



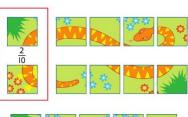
b) Danny removes 2 of the I0 pieces. This is $\frac{2}{10}$ or two-tenths of the whole.

There is more than one way to find $\frac{2}{10}$ of the whole.

All of the pieces of the jigsaw are the same size, so each piece is $\frac{1}{10}$ of the whole.

Taking any 2 pieces of the jigsaw will represent $\frac{2}{10}$ or two-tenths of the whole.

So, the answer is the same no matter which 2 pieces Danny removes.







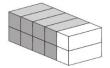
Tenths

What fraction of each shape is shaded?

of the circle is shaded.



of the cuboid is shaded.



of the smiley faces are shaded.



- Colour the correct fractions.
 - a) Colour $\frac{4}{10}$ of the triangles.



b) Colour $\frac{7}{10}$ of the rectangle.



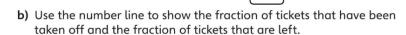
c) Colour the circles. Leave $\frac{2}{10}$ of the circles white.

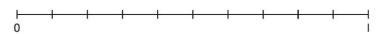


2 tickets have been taken off a strip of 10 tickets.

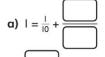


a) What fraction of the 10 tickets are left? are left.

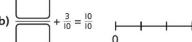




Complete the calculations. Show each one on a number line.







- Richard and Jamilla are both counting in tenths.



Richard starts at 0 and counts up. Jamilla starts at I and counts down.

If they both count at the same speed will they ever say the same fraction at the same time?

Explain your answer.