Year 4 Maths

Fractions

(Including adding and subtracting fractions with the same denominator)

What is a fraction?

A fraction is a way of representing part of a whole.

It is written with a <u>numerator</u> (which shows us how many pieces you have)

And a <u>denominator</u> (which shows how many equal sized pieces the whole is broken into)





Can you write the fraction of the shape that is shaded?

Remember – the denominator (bottom number) is the number of equal pieces the whole has been broken into.



The numerator (top number) is the number of shaded pieces.

Can you write the fraction of the shape that is shaded? ANSWERS!







Are these statements true or false? Explain how you know!



Are these statements true or false? Explain how you know!



You can also find fractions of a group of items.



To answer this, you need to look carefully at the fraction.

What is 3 of the stars?

The denominator (bottom number) tells you that you need to split the group into 5 equal sized groups



To answer this, you need to look carefully at the fraction.

What is <u>3</u> of the stars? 5



To answer this, you need to look carefully at the fraction.

What is 3 of the stars? 5



Now it's time for you to have a go!



Answer!



Now have a go at Day 1 tasks

Adding and subtracting fractions with the same denominator

When adding and subtracting fractions with the same denominator (bottom number), you will only ever need to worry about the numerator.

$$\frac{2}{6} + \frac{3}{6} = ?$$

You can find you answer by using a shape divided into the same number of sections as your denominator!



So, your answer is the number of shaded pieces!





Day 2

You have a go at these questions!

Try these. Draw some diagrams if that will help you.



Answers!

Try these. Draw some diagrams if that will help you.



Subtracting fractions is just as straightforward!



You just need to subtract the numerators – the denominator will stay the same.



You then just need to count how many filled in sections you have left!

$$\frac{8}{9} - \frac{2}{9} = \frac{6}{9}$$



Day 2

Now it's your turn!

Find answers to these subtraction problems. The first one has been done for you.



Day 2

Now it's your turn!

Find answers to these subtraction problems. The first one has been done for you.



Now do Day 2's questions!

Day 3 tasks

Have a go at the problems for Day 3.