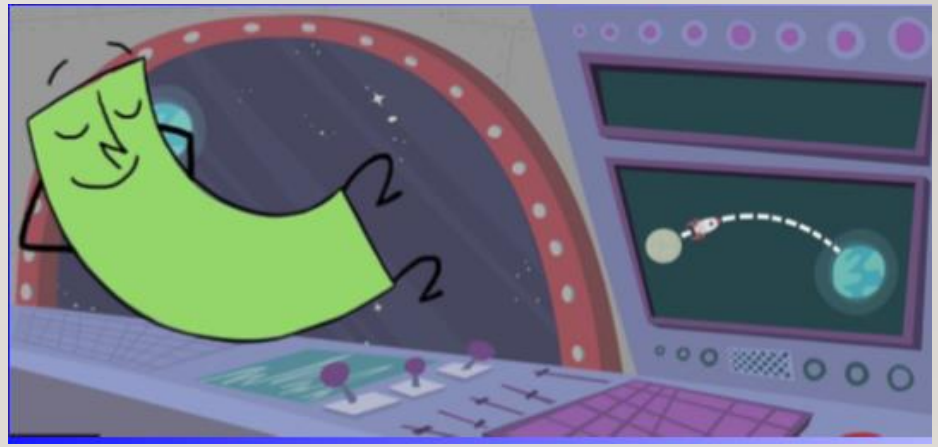
FRACTIONS

LESSON 1: ADDING FRACTIONS

LESSON 2: SUBTRACTING FRACTIONS

LESSON 1: ADDING FRACTIONS

- Watch the video: https://www.bbc.co.uk/bitesize/articles/zmhr92p
- Complete all 3 activities
- Activity 2 is in the Maths tasks page
- If you're feeling brave, try the challenges in the Maths task page



Adding fractions with the same denominators doesn't have to be complicated, so long as you remember the simple rule: only add the numerators.

When the denominators are the same number, you just keep it that way.

Take a look at these examples.

Example 1

$^1/_5 + {}^2/_5 =$

Step 1: Focus on the numerators and add them.

1 + 2 = 3

Step 2: Now put the answer over the same denominator.

So $^1/_5 + {}^2/_5 = {}^3/_5$

$$\frac{1}{5} + \frac{2}{5} = \frac{3}{5}$$

You can double check your answer using images.

The rectangle is split into 5 (the denominator). The two colours represents the two numerators.

How many sections are now coloured in total?

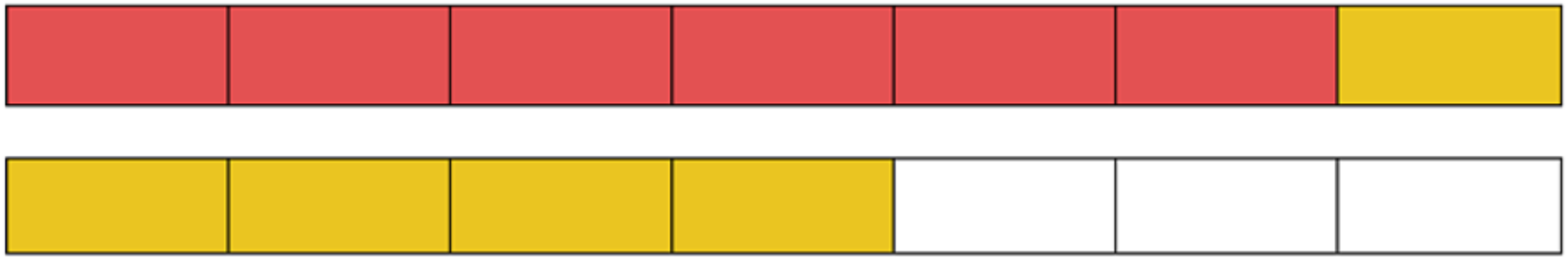
Example 2

$^{6}/_{7} + {}^{5}/_{7} =$

These two numerators added together make a number that is bigger than the denominator.

Sometimes it is more helpful to use an image straight away.

Shade in the different parts of the rectangles to represent the different numerators.



6 parts are coloured in red and **5** are coloured in yellow.

So in total, there is **1 whole and 4 parts out of 7 shaded**.

As a fraction, this would now be written as $1\ {}^{4}/_{7}$.

This is called a **mixed number**, which is a mixture of a whole number and a fraction.

LESSON 2: SUBTRACTING FRACTIONS INCLUDING FRACTIONS FROM WHOLES

- Watch the 2 videos: https://www.bbc.co.uk/bitesize/articles/zdx3rj6
- Complete the 2 activities (both are in the Maths tasks page)
- Check your answers (links are on the same page as the videos)

GAMES!

- There are 2 fractions games you can play at home. Children at school will be having a go too!
- They are both in the Fractions Maths Games home learning page.
- You can make a spinner using a pencil and a paper clip: