

Maths week 5 lesson 5

Can I subtract fractions?

Fast Five - answers are on the next slide

1) $5463 + 2856 =$

2) $80 \div 20 =$

3) $426 \times 4 =$

4) Mully is hiding behind the biggest multiple of 8 without going past the number 49. What number is Mully hiding behind?

5) Find $\frac{3}{4}$ of 24

Fast Five - answers!

1) $5463 + 2856 = 8319$

2) $80 \div 20 = 4$

3) $426 \times 4 = 1704$

4) Mully is hiding behind the biggest multiple of 8 without going past the number 49. What number is Mully hiding behind? **48**

5) Find $\frac{3}{4}$ of 24 - **18**

Let's recap what we have learnt about fractions so far this week!

A fraction is when a whole, this can be either an object (like pizza) or a number, is split into **equal** parts.

We write fractions like this:

$$\frac{1}{4}$$

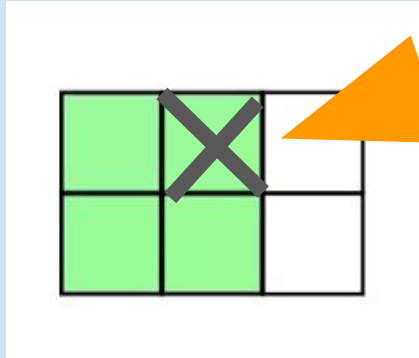
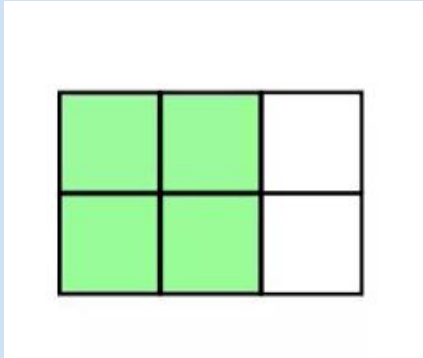
Today we are going to be looking at subtracting fractions.

$$\frac{4}{6} - \frac{1}{6}$$

How could we solve this?

Like adding fractions, the denominator stays the same when you subtract fractions.

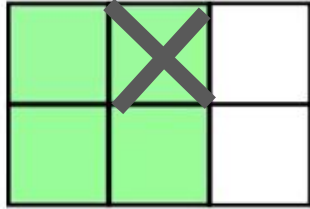
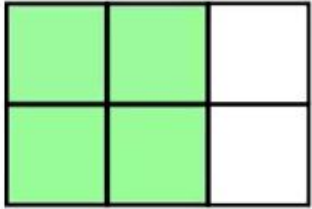
$$\frac{4}{6} - \frac{1}{6} =$$



Because the numerator on the fraction we are subtracting is 1 we cross out 1 square.

Like adding fractions, the denominator stays the same when you subtract fractions.

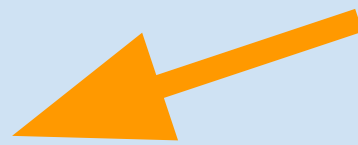
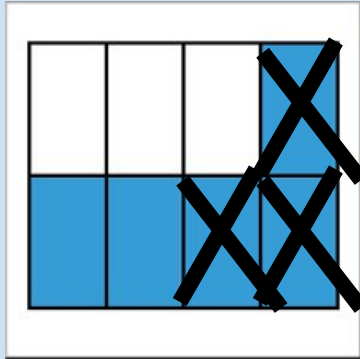
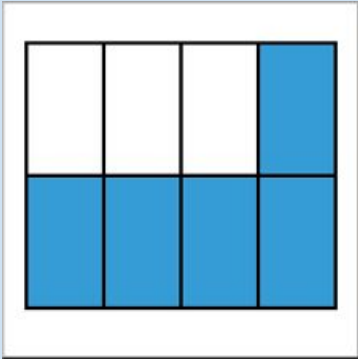
$$\frac{4}{6} - \frac{1}{6} = \frac{3}{6}$$



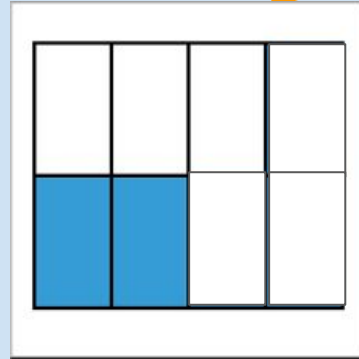
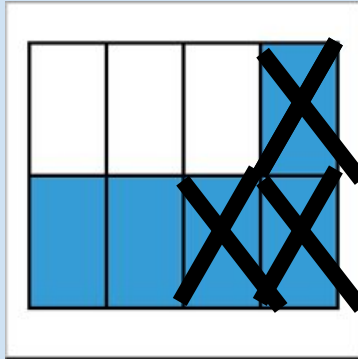
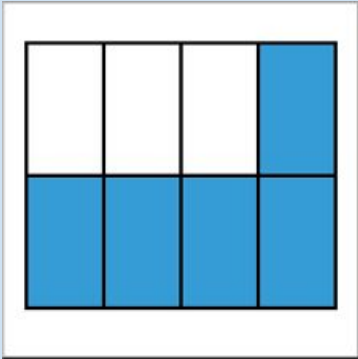
Because we crossed out one box there are now only 3 out of 6 squares coloured. Therefore our fraction is $\frac{3}{6}$

Let's try another ...

$$\frac{5}{8} - \frac{3}{8} =$$



Because the numerator on the fraction we are subtracting is 3 we cross out 3 rectangles.

$$\frac{5}{8}$$
 $-$
$$\frac{3}{8}$$
 $=$
$$\frac{2}{8}$$
$$\frac{2}{8}$$


Because we crossed out 3 boxes there are now only 2 out of 8 squares coloured.

Therefore our fraction is



Let's try another ... This time we don't have pictures.

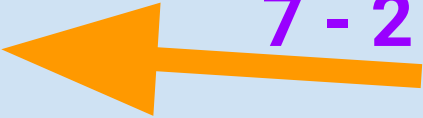
Because the denominator is the same we only have to subtract the numerators. The denominator stays the same.

$$\frac{7}{8} - \frac{2}{8} = \frac{\quad}{8}$$

$$7 - 2 =$$

Let's try another ... This time we don't have pictures.

Because the denominator is the same we only have to subtract the numerators. The denominator stays the same.

$$\frac{7}{8} - \frac{2}{8} = \frac{5}{8}$$


$7 - 2 = 5$

Try this question on your own! Answer on the next slide

$$\frac{4}{5} - \frac{2}{5} =$$

Try this question on your own! **Answer!**

$$\frac{4}{5} - \frac{2}{5} = \frac{2}{5}$$

Let's try another ... This time we don't have pictures.

Because the denominator is the same we only have to subtract the numerators. The denominator stays the same.

We also have to subtract the whole numbers separately.

$$3 \frac{2}{3} - 1 \frac{1}{3} = \frac{\quad}{3}$$

$3 - 1 =$

$2 - 1 =$

Let's try another ... This time we don't have pictures.

Because the denominator is the same we only have to subtract the numerators. The denominator stays the same.

We also have to subtract the whole numbers separately.

$$3\frac{2}{3} - 1\frac{1}{3} = 2\frac{1}{3}$$

$3 - 1 = 2$

$2 - 1 = 1$

Try this question on your own! Answer on the next slide

$$4\frac{6}{8} - 2\frac{3}{8} =$$

Try this question on your own! **Answer!**

$$4 \frac{6}{8} - 2 \frac{3}{8} = 2 \frac{3}{8}$$

Activities:

Fractions can be tricky, so take a moment to decide how confident you feel with solving these types of problems, and how much you want to challenge yourself!

Red - subtract fractions with pictures to help you.

Yellow - subtract fractions without pictures

Green - Subtract fractions including ones with whole numbers