Just as you would in school, it's a good idea to take breaks between different subjects and for lunch.

Year 6

Maths
Tuesday 24th March

This icon means upload your task to the website.

Let's get active with Joe Wicks

Choose a [Joe Wicks](#) work out for kids!

Maths: Active

Perform knees to elbows while you recite a times table you find challenging, for example:

1 x 7 = , 2 x 7 = up to 12 x 7 =

Can you do it backwards?

12 x 7=, 11 x 7 = ...

Maths: Mixed numbers

We're going to look at using pictures and diagrams to help you solve mixed number problems.

What possible calculation could this be?

Maths: Mixed numbers

Did you think of:

6 + 6 + 3 = 15 or 6 x 2 + 3 = 15

15 = 6 + 6 + 3 or 15 = 6 x 2 + 3

$1 + 1 + \frac{1}{2} = 2\frac{1}{2}$ or $2\frac{1}{2} = 1 + 1 + \frac{1}{2}$

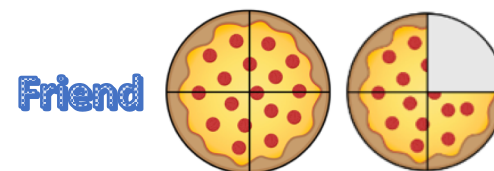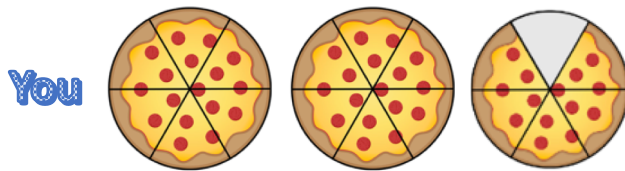$^6/_6 + ^6/_6 + ^3/_6 = ^{15}/_6$

Maths: Mixed numbers

👍 Now draw your own picture calculation representing mixed numbers.

Maths: Mixed numbers

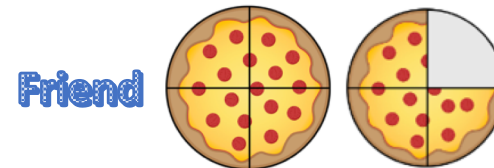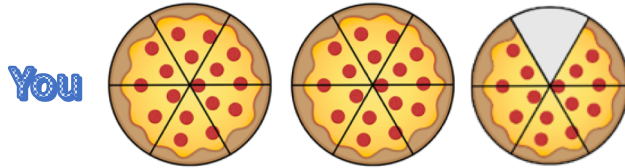**The local pizza shop has a great offer of 5 pizzas for £15.**

You

Friend

You and a friend have had a slice of pizza each.
You're trying to work out what's left but...

You have cut your pizza into 6^{th}s whereas your friend has cut theirs into quarters.

This makes it difficult to figure exactly what's left.

Maths: Mixed numbers

You   **Friend**
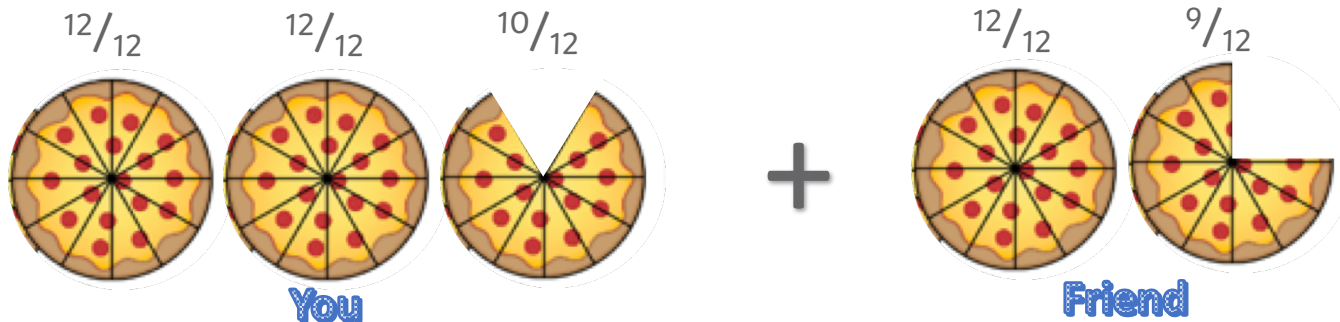
What does this picture actually mean?

$2 \, {}^5/_6 + 1 \, {}^3/_4 =$

First, you'll need to find the lowest common multiple.

In this case it is 12.

Now you can consider your pizzas to be sliced in 12 parts.

Maths: Mixed numbers

$^{12}/_{12}$ $^{12}/_{12}$ $^{10}/_{12}$ $^{12}/_{12}$ $^{9}/_{12}$

You   Friend

As we add up our slices our denominator will stay the same because we are not changing the size of each slice.

In total we have $^{55}/_{12}$ slices.

To convert this we first consider how many full pizzas we have.
(A full pizza has 12 slices: the same as the denominator).

How many 12s do we have in our total amount of slices?

We have 4 (4 x 12 = 48) with $^{7}/_{12}$ left over.

So 2 $^{5}/_{6}$ + 1 $^{3}/_{4}$ = 4 $^{7}/_{12}$

Maths: Mixed numbers

a) $1\frac{1}{2} + 1\frac{1}{3}$

b) $4\frac{1}{2} + 4\frac{1}{3}$

c) $12\frac{1}{2} + 16\frac{1}{3}$

d) $1\frac{1}{7} + 1\frac{1}{8}$

e) $1\frac{2}{7} + 1\frac{2}{8}$

f) $13\frac{2}{7} + 8\frac{2}{8}$

g) $1\frac{8}{9} + 1\frac{3}{11}$

h) $17\frac{3}{11} + 3\frac{8}{9}$

Ext: $17\frac{3}{11} + 4\frac{8}{9} + 5\frac{1}{3}$