

Maths- Fractions

This is a special lesson!!!
This lesson will be live from 9am
With your own class teacher!

Learning objective; To use fractions to
understand our class.

Warm up: True or false

In your books write the number and say if it is true or false. E.g 1= True

1. Three quarters ($\frac{3}{4}$) are bigger than a half ($\frac{1}{2}$)

2. Harry says "If you fold a square on the diagonal, it doesn't make halves or quarters."

4. $\frac{3}{4}$ of 20 is 5

3. $\frac{1}{3}$ of 12 is 4

5. $\frac{1}{2}$ of 20 = $\frac{1}{3}$ of 30

7. Grace has 12 sweets and eats a quarter of them. She has 9 left.

6. Cutting a third ($\frac{1}{3}$) in half will give you quarters.

8. Nine thirds ($\frac{1}{3}$) makes 2 wholes.

Fraction information

Fractions are a great way to share information, they can help you understand how many people like and do not like certain things.

Look at these fraction statements.

What can you tell me about this class?

Think about these sentence openers...

More children like.....

Less children like.....

All children

Not many children.....

Most children.....



Let work out more about that class

We can use these bits of information to work out how many children are being discussed in each statement.

To do this lets remind ourselves how to find the fraction of an amount with a couple examples on the board.

If there are 30 children in the class in total.

How many children.....

Have a dog?

Live on a farm?

Take the bus to school?

Have brown eyes?

What other statements can you make?



Lets make some fractions about us...

First, we need to work out what the denominator is going to be. So lets count up how many children are in this lesson.

Next, we need to ask a question, if your answer is yes raise your virtual (or real) hand.

Then, count up the virtual hands, this will give us our numerator.

Finally, if possible lets try to simplify this fraction into its simplest term.

We shall record these on my whiteboard and then create some statements about our class afterwards.

Think about a yes/no question we might ask the class.

Fraction facts

Lets see what these fractions tell us about our class. Just like we did with the information earlier can you use these sentence openers to write any facts about our class.

More children like.....

Less children like.....

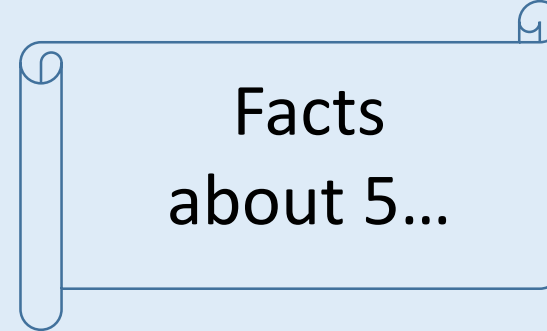
All children

Not many children.....

Most children.....

Nearly all children...

Over half of the class.....



Plenary

Today we have looked at fractions in a form of data.

Normally data is recorded in percentages.

Fractions and percentages are very similar, later in the year we will learn how to convert between them.

Can you guess which percentage these fractions match up to

$$\frac{1}{10}$$

$$\frac{30}{100}$$

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

$$\frac{4}{5}$$

80%

25%

10%

30%