

Year 2 Maths

The learning objective for today is: To be able to find $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$ and $\frac{3}{4}$ of amounts using sharing and number facts.

What you will need:

- Work sheet (provided)
- Something to use for counters

Please talk through these slides with your child before they start the work sheets.

1.

Yesterday, we used **fractions** to count in small steps along the number line.

Today, we are going to use **fractions** for something a bit different – to help share out amounts of objects.

2.

I am going to give **half** of these bananas away and keep the rest.



3.

The fraction tells us what to do with this amount.



The **1** tells us that we just want to know what is in one of those groups.

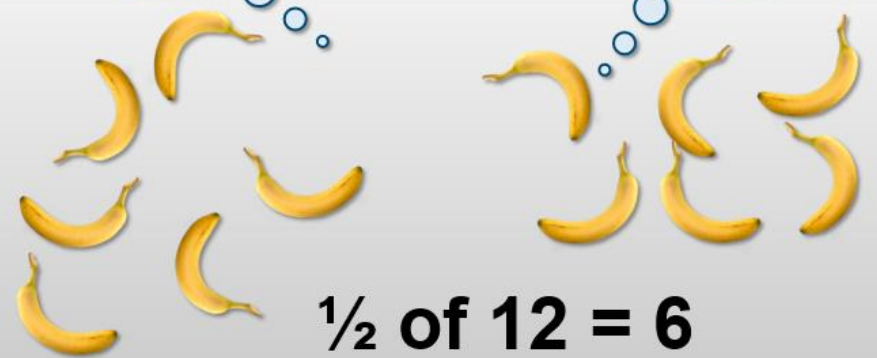
$$\frac{1}{2}$$

The **2** tells us to share the whole amount between two.

4.

... we know that half of 12 is 6 (because double 6 is 12).

We can also use number facts to split the bananas...



$$\frac{1}{2} \text{ of } 12 = 6$$

5.

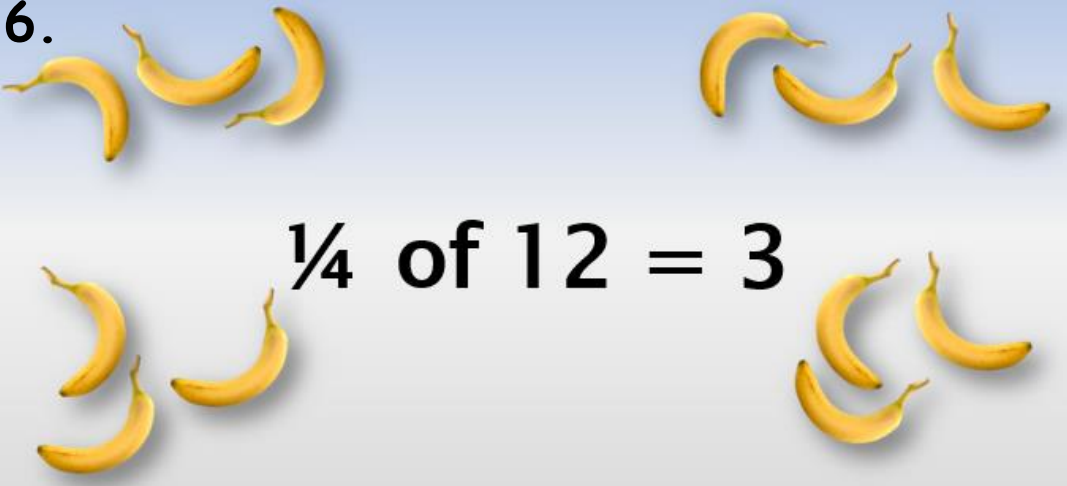
How could we find $\frac{1}{4}$ of the bananas?

We could halve each half.



$$\frac{1}{4} \text{ of } 12 = ?$$

6.



$$\frac{1}{4} \text{ of } 12 = 3$$

7.

What should
we do to solve
this?

?

$$\frac{3}{4} \text{ of } 12 = ?$$

8.

$$\frac{3}{4} \text{ of } 12 = ?$$

Let's see what
the fraction
tells us to do.

The 3 tells us that we
want to know what is in
three of those groups.

$$\frac{3}{4}$$

The 4 tells us
to share the whole
amount between four.

9.



$$\frac{3}{4} \text{ of } 12 = 3 \text{ lots of } 3 \text{ bananas}$$

10.



$$\frac{3}{4} \text{ of } 12 = 9$$

11.

What about this one? How can we solve it?



This says **one third**.

$$\frac{1}{3} \text{ of } 12 = ?$$

One third tells us that we share the whole lot of bananas three ways.

12.

One third tells us that we share the whole lot of bananas three ways.



$$\frac{1}{3} \text{ of } 12 = 4$$

L.O. To be able to find $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$ and $\frac{3}{4}$ of amounts using sharing and number facts.

How many? Finding fractions of amounts

Can you find these fractions of amounts?

Set A

$\frac{1}{2}$ of 20 $\frac{1}{3}$ of 12 $\frac{1}{4}$ of 24 $\frac{1}{2}$ of 60 $\frac{1}{4}$ of 8 $\frac{1}{2}$ of 18 $\frac{1}{3}$ of 15 $\frac{1}{2}$ of 30 $\frac{1}{2}$ of 1

$\frac{1}{4}$ of 4 $\frac{1}{3}$ of 9 $\frac{1}{4}$ of 16

L.O. To be able to find $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$ and $\frac{3}{4}$ of amounts using sharing and number facts.

How many? Finding fractions of amounts

Can you find these fractions of amounts?

Set B

$\frac{1}{2}$ of 36 $\frac{1}{3}$ of 18 $\frac{3}{4}$ of 24 $\frac{1}{2}$ of 42 $\frac{1}{4}$ of 48 $\frac{3}{4}$ of 16 $\frac{1}{3}$ of 21 $\frac{1}{2}$ of 24 $\frac{1}{2}$ of 22

$\frac{1}{4}$ of 32 $\frac{1}{3}$ of 33 $\frac{3}{4}$ of 44

L.O. To be able to find $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$ and $\frac{3}{4}$ of amounts using sharing and number facts.

How many? Finding fractions of amounts

Can you find these fractions of amounts?

Set C

$\frac{1}{2}$ of 34 $\frac{1}{3}$ of 15 $\frac{3}{4}$ of 4 $\frac{1}{2}$ of 38 $\frac{1}{4}$ of 10 $\frac{3}{4}$ of 28 $\frac{1}{3}$ of 30 $\frac{1}{2}$ of 26 $\frac{3}{4}$ of 36

$\frac{1}{4}$ of 52 $\frac{1}{3}$ of 39 $\frac{4}{4}$ of 40