

Year 2 MathsTeaching notes for adults:

The learning objective for today is:

- To be able to find half and quarter of amounts by using number facts and sharing.

What you will need:

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

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

L.O. To be able to find half and quarter of amounts by using number facts and sharing.

Count out 10 sweets/ counters together and place them in a bag.

Look! I have 10 sweets.

I am feeling generous today and want to give Tom **half**.

How many will he get?

Use 10 cubes to share out.



How could you work it out?

We could share 10 into 2 equal piles.



$$\frac{1}{2} \text{ of } 10 = 5$$

Or just know that half of 10 is 5.

Now I have 8 sweets.

I'm not feeling quite so generous though, and I'm only going to give Ellie $\frac{1}{4}$ of my 8 sweets.

How many will she get?

Use 8 cubes to work this out.

How could you work it out?

We could share 8 into 4 equal piles.

Or just know that A quarter of 8 is 2.

$\frac{1}{4}$ of 8 = 2


Show your child a box of 16 'pens'.

The office has ordered the pens for the classes and they have said that we are allowed to keep $\frac{1}{4}$ of them.


How many pens can we keep?

How many groups will we need to share the pens into? How many of the groups will we keep?

Use 16 objects to work this out.



How did you work it out?



Half of 16 pens would be 8 and then to find $\frac{1}{4}$ we just need to half again to get 4 as $\frac{1}{4}$ is half of a half!

$\frac{1}{4}$ of 16 = 4


Now we have 20 pens.

We are allowed to keep $\frac{1}{4}$ of them.

How many will we get?

Find $\frac{1}{2}$ of 20 and then $\frac{1}{2}$ again to find that $\frac{1}{4}$ is 5.

$\frac{1}{4}$ of 20 = 5



L.O. To be able to find half and quarter of amounts by using number facts and sharing

Halving and quartering

Sheet 3

Complete the table by finding half, then a quarter of each of the numbers.

	$\frac{1}{2}$	$\frac{1}{4}$
4		
8		
12		
16		
20		
24		
28		
32		
36		

Challenge

What do you notice about the numbers in the $\frac{1}{2}$ s column? What number would come next? What about the $\frac{1}{4}$ s column? How would this pattern continue?