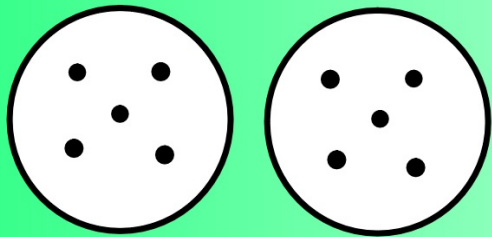


Let's  
Recap

$$10 \div 2 = \boxed{5}$$

$$\text{Half of } 10 = \boxed{5}$$

Engage



We know that when we divide by 2,  
we are creating two equal groups.

What do you notice?  I noticed that..

**Key Learning** to find half of shapes and numbers.

**Success Criteria:**

- I can find  $\frac{1}{2}$  of a shape
- I can recognise that finding  $\frac{1}{2}$  is the same as dividing by 2.
- I can find  $\frac{1}{2}$  of a number

**Deepening** : I can solve word problems finding  $\frac{1}{2}$  of a number



**Star Words:**

fraction      denominator      numerator  
half                      equal





## What is a fraction?

Introduce

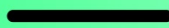
A quantity that is not a whole number.

A fraction has a numerator and a denominator.

Numerator



1



2

Denominator



Which one of our mathematical symbols looks similar to a fraction?



Numerator

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

Denominator

A half means you are dividing a shape or number into two parts.



What do we know about halving from last week?

Both parts have to be EQUAL!

First let's find a fraction of a shape...

Practise  
and  
consider

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

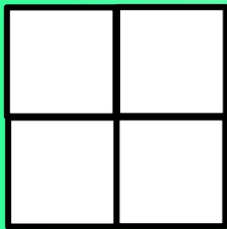
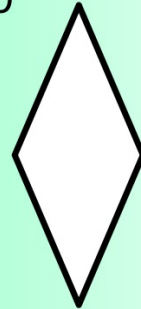
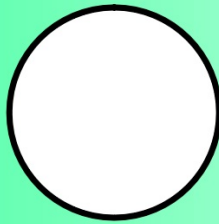
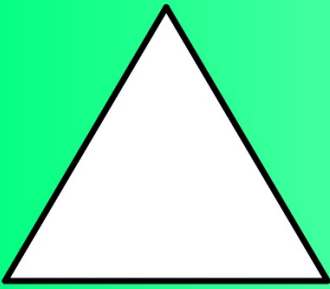


M  
dr  
ha  
ar  
cc  
in

Now it's your turn!

Colour in  $\frac{1}{2}$  of each shape - neatly!

Practise  
and  
consider



Use a ruler to help keep the lines straight



Numerator

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

Denominator



Mr Ray is here to teach us a lesson!

When we are finding  $1/2$  of a **number**

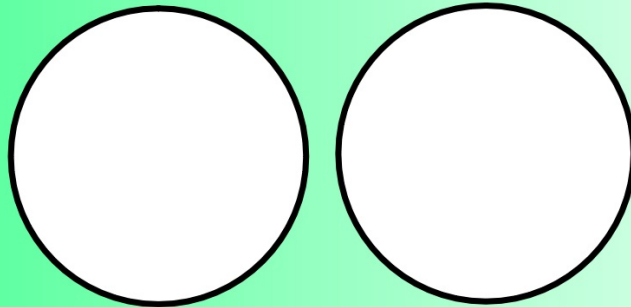
The denominator tells us how many groups we are dividing our number into. (2)

The numerator tells us how many groups we count (1)

Now let's find half of a number...



Nemo has 8 pieces of treasure. He wants to share his treasure fairly with Dory. Find  $\frac{1}{2}$  of 8.





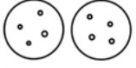
Worked Example

**DO NOT STICK THIS SHEET IN!**

Independent

Independent task

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



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

1. Copy the fraction equation in to your book.
2. Draw 2 circles.
3. Share your whole number equally into each circle to show how many are needed in each group.
4. Count the number of dots in **one** group and add your answer to the equation.

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

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

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

$\frac{1}{2}$  of 14 =

$\frac{1}{2}$  of 20 =

$\frac{1}{2}$  of 18 =

Now it's your turn!



$\frac{1}{2}$  of



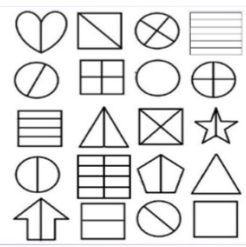

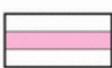



Nemo is playing fishball.

Each goal is worth 2 points.

Nemo's team scores 8 goals. How many points do they have?

The other team only score half the amount of goals.

How many points do they have?

<p>Colour in half of each shape.</p> 	<p>What shape has NOT been shaded in <math>\frac{1}{2}</math>?</p>    <p><b>Deepening</b></p> 
<p>Here are some bottles of water.</p>  <p>Each bottle holds 2 litres. How much water is that in total?</p> <p>I drink half the bottles. How much water is left?</p>	<p>Half of 18 is 6. How do you know?</p> <p>You can only find <math>\frac{1}{2}</math> of an even number. Find <math>\frac{1}{2}</math> of 2 even numbers and 2 odd numbers to prove your answer:</p>

True / False

Half of 18 is 6.  
How do you know?



True / False

Finish these sentences...

The numerator in  $\frac{1}{2}$  is ..... and that tells us .....

The denominator in  $\frac{1}{2}$  is ..... and that tells us .....

Finding a half means we are dividing into two ..... groups.