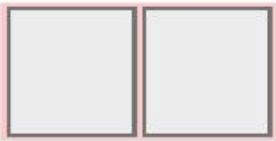


# Finding Part of a Set

LO: To be able to find a fraction of a set

## In Focus



Put the 6 pieces of chocolate equally in the box.  
What is half a box?

Can you share these sweets equally?  
How can you make sure you share them out equally?  
I can share them out equally by.....  
How many equal groups do you have there?  
I have .....equal groups.

## Let's Learn

1



Half a box is 3 pieces of chocolate.

2

What is  $\frac{1}{2}$  of 8 sweets?



$\frac{1}{2}$  of 8 is 4.

It is like making  
two groups of 4.



3

What is  $\frac{1}{2}$  of 4?



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

## Activity Time

Play in pairs.

10



What you need:



- ① Pick a number.
- ② Show the correct number of counters.



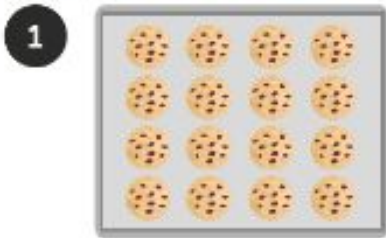
- ③ Find  $\frac{1}{2}$  of it.  
Is it possible to do this?



- Write the numbers that can be split equally.
- Write the numbers that can't be split equally.
- Can you see a pattern?

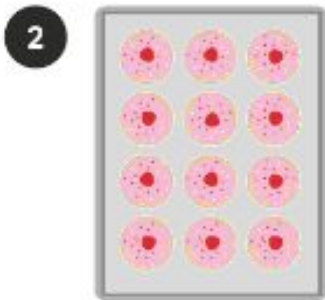
I can see.....

## Guided Practice



$$\frac{1}{2} \text{ of } 16 = \square$$

What steps do I need to take to find  $\frac{1}{2}$  of these?



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

3 (a)  $\frac{1}{2}$  of 14 =  $\square$

(b)  $\frac{1}{2}$  of 20 =  $\square$

Parents, please use the following speaking frame when students are explaining their steps towards solving the exercises.

### Speaking frame

If I share this equally, the two groups would each have \_\_\_\_\_.

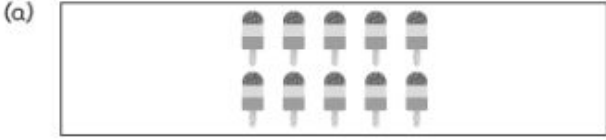
I need to share these into groups of \_\_\_\_\_ to get two equal halves.

$\frac{1}{2}$  of \_\_\_\_\_ is \_\_\_\_\_.

**Worksheet 13**

**Finding Part of a Set**

1 Circle to divide the objects into two equal groups.  
Fill in the blanks.



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



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



$\frac{1}{2}$  of 24 =

2 Match.

<input type="text" value="1/2 of 14"/>	•	•	<input type="text" value="4"/>
<input type="text" value="1/2 of 8"/>	•	•	<input type="text" value="7"/>
<input type="text" value="1/2 of 6"/>	•	•	<input type="text" value="14"/>
<input type="text" value="1/2 of 28"/>	•	•	<input type="text" value="15"/>
<input type="text" value="1/2 of 22"/>	•	•	<input type="text" value="3"/>
<input type="text" value="1/2 of 30"/>	•	•	<input type="text" value="11"/>

Answer by completing the speaking frame for each fraction:

a) If I share this equally, the two groups would each have.....  
I need to share these into groups of .....to get two equal halves.

$\frac{1}{2}$  of .....is .....

b) If I share this equally, the two groups would each have.....  
I need to share these into groups of .....to get two equal halves.

$\frac{1}{2}$  of .....is .....

c) If I share this equally, the two groups would each have.....  
I need to share these into groups of .....to get two equal halves.

$\frac{1}{2}$  of .....is .....

Answer by completing the following sentence number:

$\frac{1}{2}$  of 14 is .....

$\frac{1}{2}$  of 8 is .....

$\frac{1}{2}$  of 6 is .....

$\frac{1}{2}$  of 28 is .....

$\frac{1}{2}$  of 22 is .....

$\frac{1}{2}$  of 30 is .....

## Challenge time:

Create a number story where a group of objects has to be split in half.

Between how many people would the objects be shared?

Show how you solved it.

Can you create a fractions word problem for your parent/career/sibling to solve?