





# 1&2LS20 Y2: Step 6

## Rehearse and Reason

Finding  $\frac{1}{3}$  and  $\frac{1}{4}$  of amounts linked to sharing

### WORKED EXAMPLE

To find a third ( $\frac{1}{3}$ ) of an amount, **split it into three equal groups.**

The whole is 12 		
$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$
		
4	4	4

12 is shared into 3 equal groups.

There are 4 in each group.

A third is one of the three equal parts.

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

### REHEARSE

Complete the models to show how to find thirds.

_____		
$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$

15 shared into 3 equal groups.

There are \_\_\_\_\_ in each group.

$\frac{1}{3}$  of 15 is \_\_\_\_\_.

What is a third of 60?

_____		
$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$

\_\_\_\_\_ shared into \_\_\_\_\_ equal groups.

There are \_\_\_\_\_ in each group.

$\frac{1}{3}$  of \_\_\_\_\_ is \_\_\_\_\_.

Calculate  $\frac{1}{3}$  of 21.

_____		
$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$

\_\_\_\_\_ shared into \_\_\_\_\_ equal groups.

There are \_\_\_\_\_ in each group.

$\frac{1}{3}$  of \_\_\_\_\_ is \_\_\_\_\_.

## APPLY AND EXPLORE

whole

divided

equal

group

 $\frac{1}{3}$ 
 $\frac{1}{4}$ 

Use the word bank to explain what is the same and different in the models below.

12		
$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$
4	4	4

12			
$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
3	3	3	3

## REHEARSE

Sort the cards into two groups: showing thirds and showing quarters.  
Complete the models to show the fractions calculated.

15		
5	5	5

 $\frac{1}{3}$  of \_\_\_\_ is \_\_\_\_\_.

18		

 $\frac{1}{3}$  of \_\_\_\_ is \_\_\_\_\_.

20			

 $\frac{1}{4}$  of \_\_\_\_ is \_\_\_\_\_.

16			

 $\frac{1}{4}$  of \_\_\_\_ is \_\_\_\_\_.

—			
6	6	6	6

 $\frac{1}{4}$  of \_\_\_\_ is \_\_\_\_\_.

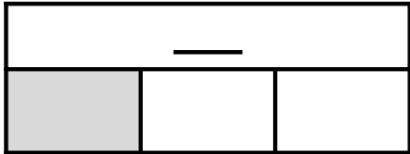
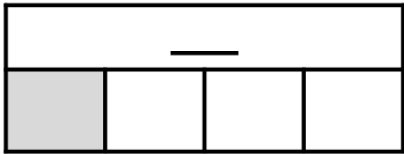
24		

 $\frac{1}{3}$  of \_\_\_\_ is \_\_\_\_\_.

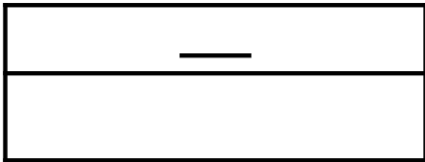
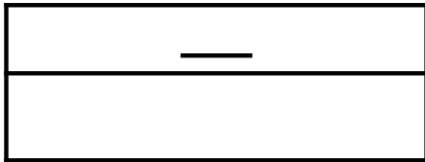
## APPLY AND EXPLORE

Look at the models already completed. Do any of them have the same whole?

Can you create two more models with the same whole?

 <p><math>\frac{1}{3}</math> of ____ is ____.</p>	 <p><math>\frac{1}{4}</math> of ____ is ____.</p>
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Can you create two more models with the same whole?

 <p><math>\frac{1}{2}</math> of ____ is ____.</p>	 <p><math>\frac{1}{4}</math> of ____ is ____.</p>
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What is important about the whole?

## RETRIEVE

**Can I still name and describe 3-D shapes?**

Complete the sentences and match each to the correct image.

A cube has \_\_\_\_ faces, \_\_\_\_ vertices and \_\_\_\_ edges.

A cuboid has \_\_\_\_ faces, \_\_\_\_ vertices and \_\_\_\_ edges.



## APPLY AND EXPLORE

Can you find  $\frac{1}{2}$ ,  $\frac{1}{3}$  and  $\frac{1}{4}$  of 20 strawberries?

Prove it.



## APPLY AND EXPLORE

Are there any numbers less than 20 that can be halved, quartered and put into thirds?