### MATHS - Lesson 1 - Unit and Non-unit Fractions

### Unit and non-unit fractions



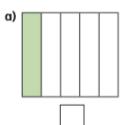
Write fractions to complete the sentences.

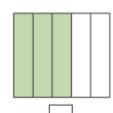


- a) of the counters are yellow.
- b) of the counters are red.
- Write fractions to complete the sentences.
  - a) of the tower is green.
  - b) of the tower is yellow.
  - c) of the tower is blue.



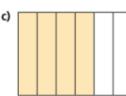
What fraction of each shape is shaded?



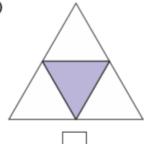


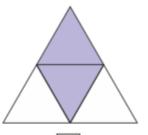


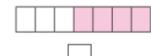


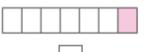








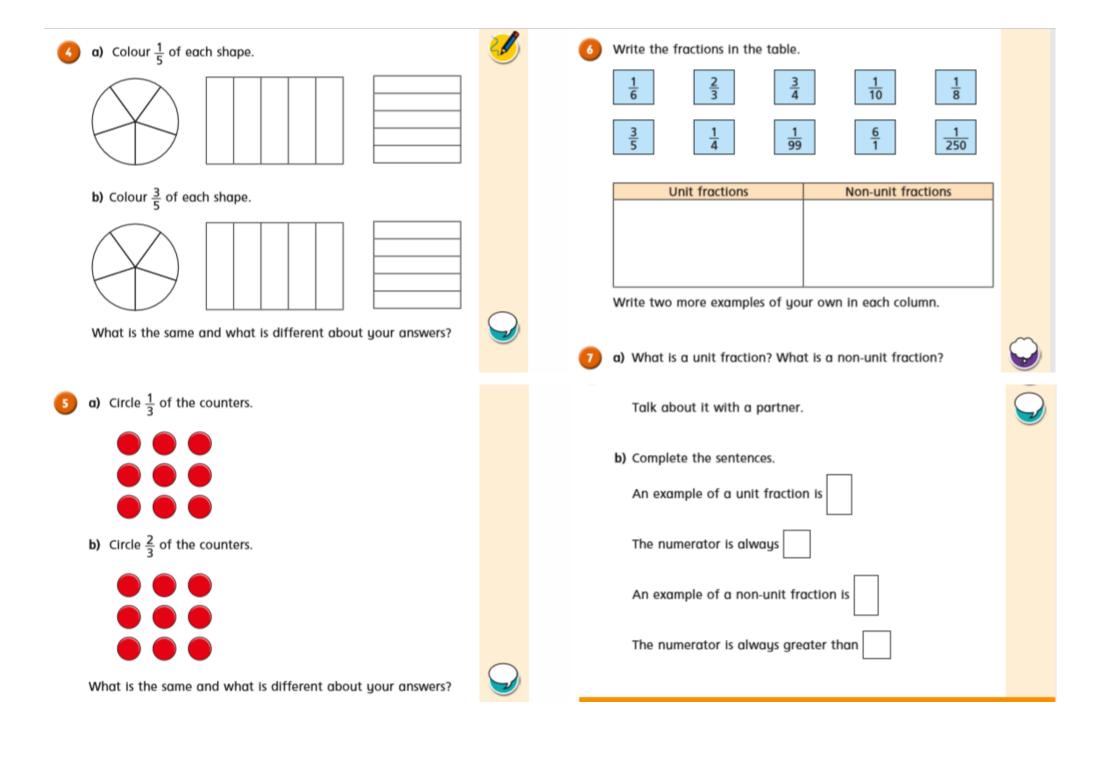






How did you know which was the unit fraction?

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### MATHS – Lesson 2 – Making the Whole

### Making the whole



Here are some counters.



a) What fraction of the counters are yellow?



b) What fraction of the counters are red?

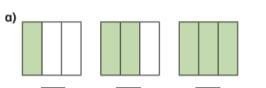
c) Complete the number sentence.

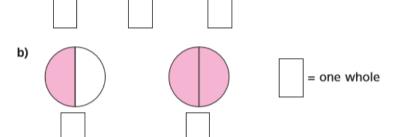


What fraction of each shape is shaded?

Which fraction represents a whole?

Fill in the missing fractions.





= one whole

Here is a tower of cubes.



a) What fraction of the tower is green?



b) What fraction of the tower is blue?



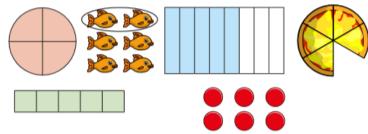




c) Complete the number sentence.



Here are some pictures.



Use the pictures to help you answer the questions.

a) Write three fractions that are less than one whole.



<ul><li>b) Write</li></ul>	three	fractions	that	are	eaual	to	one	whole.



What do you notice? Talk about it with a partner.



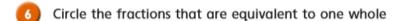
greater than

less than

equal to

When the numerator is \_\_\_\_\_\_ the denominator, the fraction is less than one whole.

When the numerator is \_\_\_\_\_\_ the denominator, the fraction is equal to one whole.



<u>3</u>

4/4

<u>6</u> 10 2/2

<u>10</u> 10 <u>8</u>

3

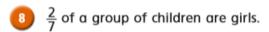
<u>5</u> 5

Here are  $\frac{1}{3}$  of Jack's marbles.





Draw the rest of Jack's marbles in the bar model.



	I .	l .		
	I	I		
	I .	l .		
	I	I		
	I .	l .		

What fraction are boys?

die bogs		are	boys
----------	--	-----	------

Each bar model is worth one whole.

Split the bar model and label the missing fractions.

1/4	
-	

<u>1</u> 5	
	<u>1</u> 5

7 10	

Complete the number sentences.

a) 
$$\frac{3}{5}$$
 + =

c) 
$$=\frac{2}{7}+\frac{5}{7}$$

$$+ \frac{4}{10} =$$

d) 
$$\frac{9}{9} = + \frac{5}{9}$$

# Tick the pictures that show tenths.

Write fractions to complete the sentences.



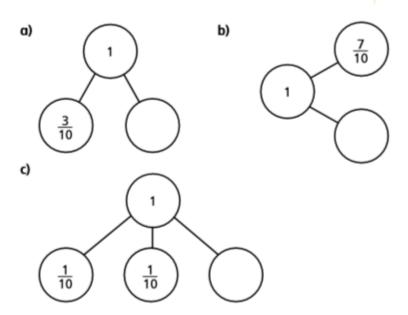
- a) of the counters are yellow.
- b) of the counters are red.
- c) of the counters are green.

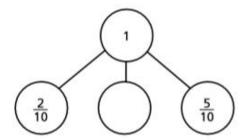
Amir has some blue and yellow cubes.

He makes a tower using 10 cubes.

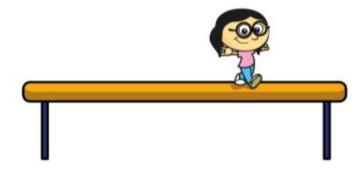
Investigate how many different towers
Amir can make with 10 cubes, if every tower has a different fraction of blue and yellow cubes.

Complete the part-whole models.

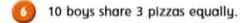




 $\bigcirc$  Annie has travelled  $\frac{7}{10}$  of the way across a balance beam.



How many tenths does she have left to travel?









What fraction of a pizza do they each get?

Dani has a bag of sweets.	111111
$\frac{1}{2}$ of the sweets are red.	~
$\frac{3}{10}$ of the sweets are yellow.	1
The rest are green.	
What fraction of the sweets are green?	
Mo also has a bag of sweets.	
$\frac{4}{10}$ of his sweets are red.	
The rest are green or yellow.	
What fraction of Mo's sweets could be green?	
What fraction could be yellow?	
How many possible answers can you find?	

Compare answers with a partner.

## MATHS - Lesson 4 - Count in Tenths

## White Rose Maths **Count in tenths** Continue the sequence. <u>9</u> 10

Write the missing fractions in each sequence.

a)





<u>6</u> 10

<del>7</del> 10

<u>9</u> 10

10 10

b)

10 10

<u>9</u> 10

<del>7</del> 10

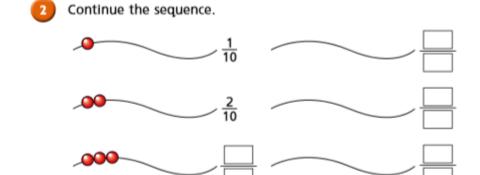
<u>5</u>



<u>2</u>

1 10

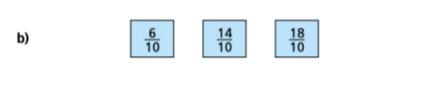
What fraction is each arrow pointing to?

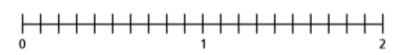




Write the fractions in the correct places on the number lines.

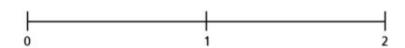
a)  $\frac{5}{10}$   $\frac{9}{10}$   $\frac{3}{10}$   $\frac{10}{10}$ 





Oraw and label arrows to estimate the position of the fractions on the number lines.

a) <u>5</u>



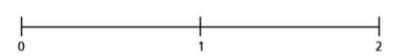
15 10

b)



19 10

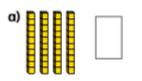
20 10



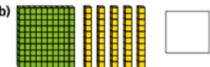
a



What number is represented in each picture?







Whitney is thinking of a fraction.



My fraction is more than one whole but less than 2
My fraction has an odd number as the numerator.

What could Whitney's fraction be? List all the possible fractions.

Compare answers with a partner.