

19.04.2021 Find a third

- 1 3 children are sharing a bar of chocolate.
The chocolate is split into 6 equal parts.



a) Draw lines to share the chocolate equally.

b) Complete the sentences.

The whole chocolate bar is split into

6

Each child gets

2

parts each.

$\frac{1}{3}$ of 6 =

2

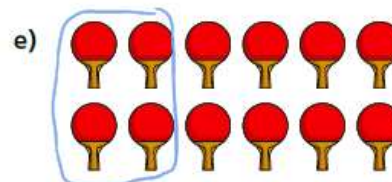
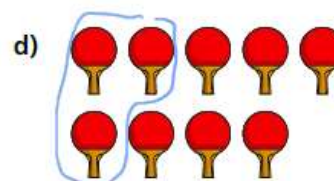
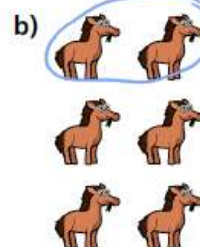
c) Complete the bar model and number sentence.

6		
2	2	2

$\frac{1}{3}$ of 6 =


2


- 2 Circle $\frac{1}{3}$ of each group of items.



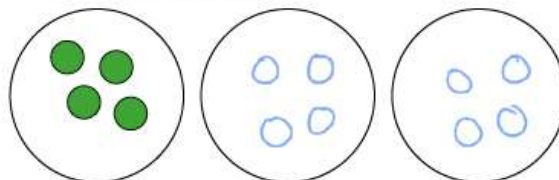
- 3 Circle $\frac{1}{3}$ of each group of items.
Complete the number sentences.

a)  $\frac{1}{3}$ of 15 = 5

b)  $\frac{1}{3}$ of 9 = 3

c)  $\frac{1}{3}$ of 18 = 6

- 4 One third of a number is 4
What is the number?



The number is 12

5



Teddy

I have $\frac{1}{3}$ of £9



Mo

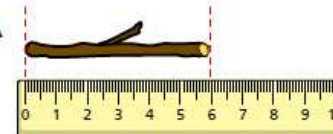
I have $\frac{1}{2}$ of £8

Who has more money? Mo

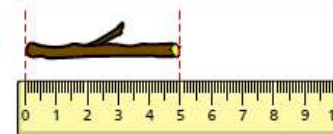
How do you know?

- 6 Whitney snaps two sticks into thirds.
Here is $\frac{1}{3}$ of each stick.

Stick A



Stick B



- a) How long was stick A before Whitney snapped it?

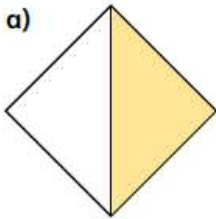
18 cm

- b) How long was stick B before Whitney snapped it?

15 cm

1 Complete the sentences for each shape.

a)

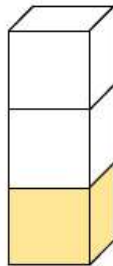


There are equal parts.

There is part shaded.

is shaded.


b)



There are equal parts.

There is part shaded.

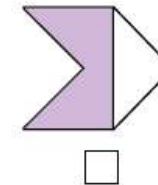
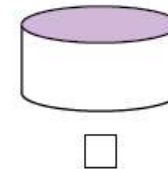
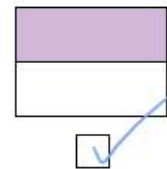
is shaded.

2 There are equal parts. 

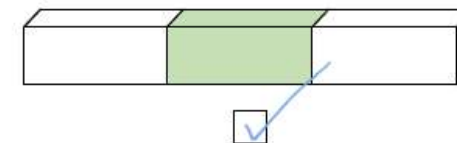
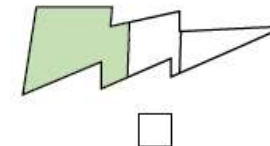
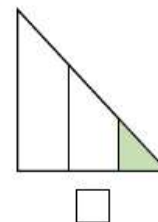
There is part circled.

is circled.

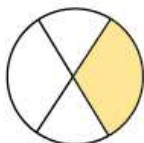
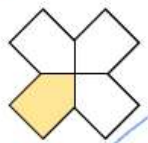
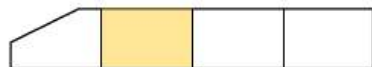
3 Tick the shape that has $\frac{1}{2}$ shaded.



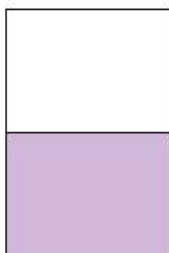
4 Tick the shape that has $\frac{1}{3}$ shaded.

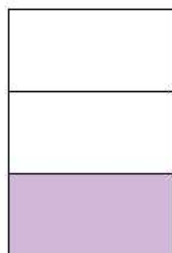


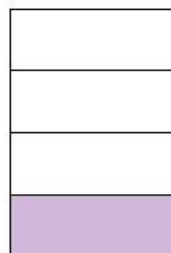
- 5 Tick the shapes that have $\frac{1}{4}$ shaded.


☐

☒

☐

- 6 What fraction of each shape is shaded?







What is the same about the fractions?

What is different about them?

- 7 Here are some fractions.

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



$$\frac{2}{3}$$



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



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



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

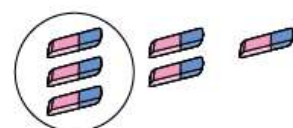
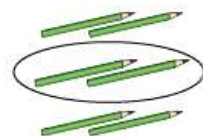


Tick all the unit fractions.

Compare answers with a partner.

Can you think of any more unit fractions?

- 8 Match the objects to the unit fractions.



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

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

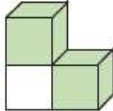
$$\frac{1}{4}$$

$$\frac{1}{5}$$

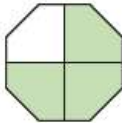
21.04.2021
Non-unit fractions



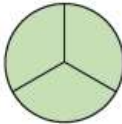
1 Complete the sentences.

- a)  There are 3 equal parts.
There are 2 parts shaded.

$\frac{2}{3}$ is shaded.

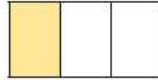
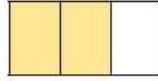
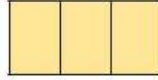
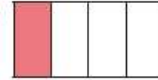
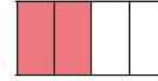
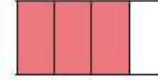
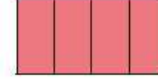
- b)  There are 4 equal parts.
There are 3 parts shaded.

$\frac{3}{4}$ is shaded.

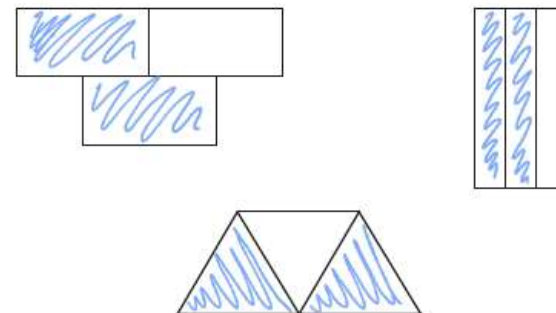
- c)  There are 3 equal parts.
There are 3 parts shaded.

$\frac{3}{3}$ is shaded.

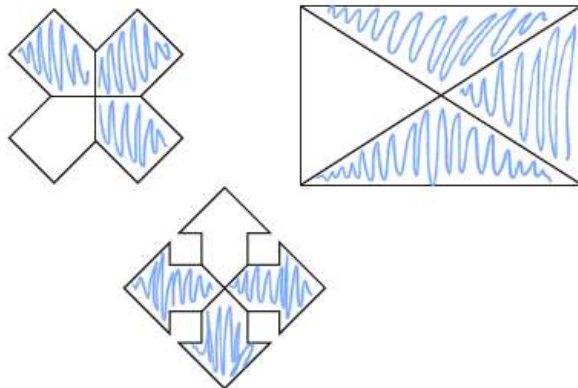
2 What fraction of each shape is shaded?

- a)  $\frac{1}{3}$
-  $\frac{2}{3}$
-  $\frac{3}{3}$
- b)  $\frac{1}{4}$
-  $\frac{2}{4}$
-  $\frac{3}{4}$
-  $\frac{4}{4}$

3 Colour $\frac{2}{3}$ of each shape.



- 4 Colour $\frac{3}{4}$ of each shape.



- 5 A shape has 3 equal parts.

- a) What fraction is shaded if there are 2 parts shaded?

$\frac{2}{3}$ is shaded.

- b) What fraction is shaded if there are 3 parts shaded?

$\frac{3}{3}$ is shaded.

- 6 Write the fractions in the table.

$\frac{1}{3}$ $\frac{3}{4}$ $\frac{1}{2}$ $\frac{1}{4}$ $\frac{2}{3}$

Unit fractions			Non-unit fractions	
$\frac{1}{3}$	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{3}{4}$	$\frac{2}{3}$

- 7 Fill in the boxes to give a unit fraction and a non-unit fraction.

unit fraction $\frac{1}{5}$ non-unit fraction $\frac{2}{5}$

Work with a partner.

Find other examples of unit fractions and non-unit fractions.

Write five examples of each.

e.g. unit fractions: $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{6}$ $\frac{1}{7}$

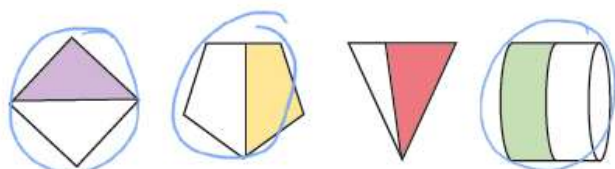
non-unit fractions: $\frac{2}{7}$ $\frac{3}{11}$ $\frac{6}{100}$ $\frac{5}{17}$ $\frac{6}{99}$

22.04.2021

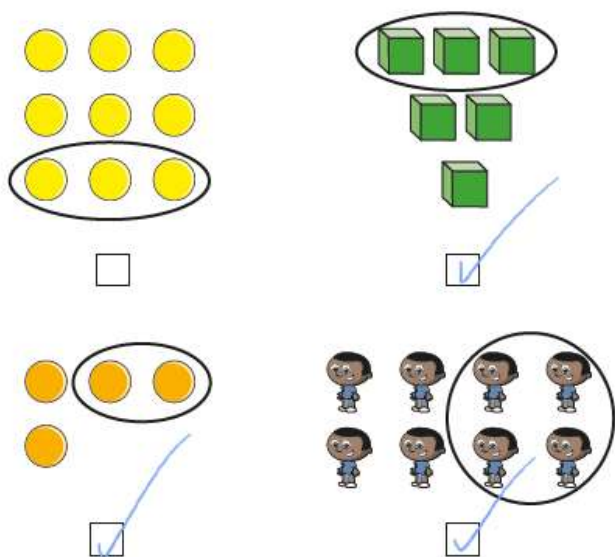
Equivalence of $\frac{1}{2}$ and $\frac{2}{4}$



- 1 Circle the shapes that have $\frac{1}{2}$ shaded.



- 2 Tick the groups that have $\frac{1}{2}$ circled.



- 3 Here are two bar models.

- a) Colour $\frac{2}{4}$ of the bar model.



- b) Colour $\frac{1}{2}$ of the bar model.



What do you notice? Talk to a partner.

- 4 Use the sweets to help you answer the questions.

- a) What is $\frac{1}{2}$ of 12?

6



- b) What is $\frac{1}{4}$ of 12?

3

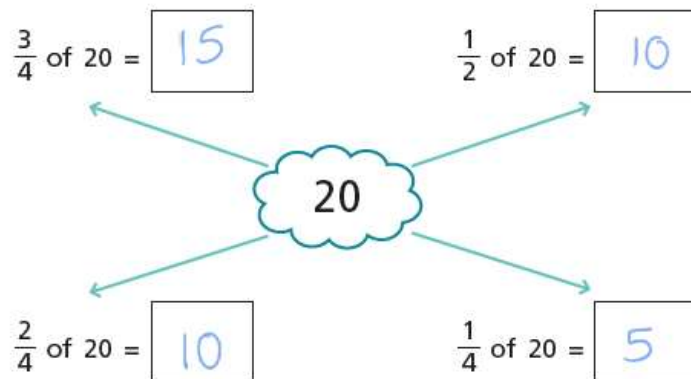


- c) What is $\frac{2}{4}$ of 12?

6



5 Write the missing numbers.



6 Solve the problems.

a) Find $\frac{2}{4}$ of £8

£ 4

b) Find $\frac{2}{4}$ of 24 kg

12 kg

How did you work out the answers?



7 Write the missing number.

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

8



You cannot find $\frac{2}{4}$ of this shape as you cannot divide it into 4 equal parts.

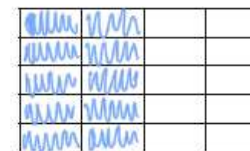
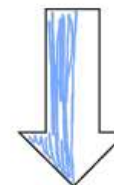
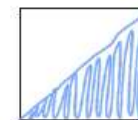
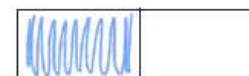


a) Do you agree with Dexter? NO

Talk about it with a partner.



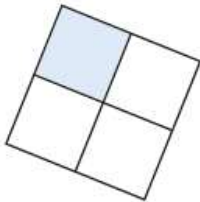
b) Colour $\frac{2}{4}$ of each shape.



Talk to a partner about how you did it.



- 1 Dani colours part of this shape.



- a) What fraction of the shape has Dani coloured?

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

- b) Colour another small square.
What fraction of the shape is now coloured?

$$\frac{2}{4}$$

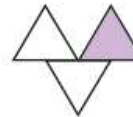
- c) Colour another small square.
What fraction of the shape is now coloured?

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

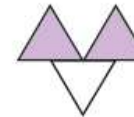
- d) Colour another small square.
What fraction of the shape is now coloured?

$$\frac{4}{4}$$

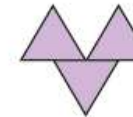
- 2 What fraction of each shape is shaded?



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



$$\frac{2}{3}$$



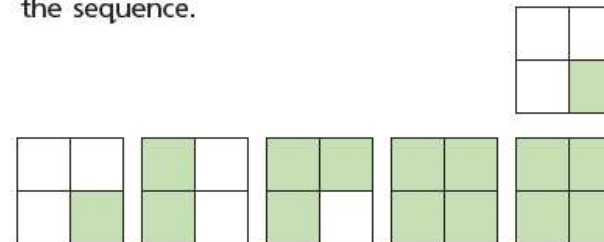
$$\frac{3}{3}$$

Say the fractions out loud to a partner.

- 3 Huan is colouring squares to make a sequence.

What fraction of each diagram is coloured?

Count the fractions out loud and continue the sequence.



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

$$\frac{2}{4}$$

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

$$\frac{4}{4}$$

$$\frac{5}{4}$$

- 4 Aisha is counting pieces of fruit.

How many strawberries are there altogether?



There are $4\frac{1}{2}$ strawberries.

- 5 The children in the class would like a whole apple each.

How many whole apples can be made from these quarters?



4 whole apples can be made.

- 6 Write the missing fractions.

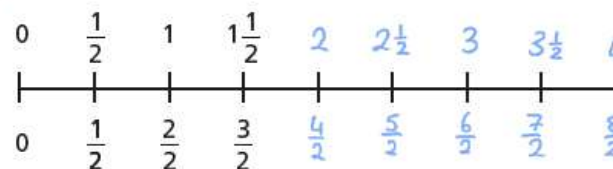
a)

5	$5\frac{1}{4}$	$5\frac{2}{4}$	$5\frac{3}{4}$	6	$6\frac{1}{4}$	$6\frac{2}{4}$
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b)

8	$8\frac{1}{4}$	$8\frac{2}{4}$	$8\frac{3}{4}$	9	$9\frac{1}{4}$	$9\frac{2}{4}$	$9\frac{3}{4}$	10
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- 7 Complete the number line.



What is the same? What is different?

- 8 Ron is counting to 3 in thirds.



0, $\frac{1}{3}$, $\frac{2}{3}$, $\frac{3}{3}$, $\frac{4}{3}$, $\frac{5}{3}$, $\frac{6}{3}$, $\frac{7}{3}$, $\frac{8}{3}$, $\frac{9}{3}$

Is Ron correct? Yes

Use the number line to show how you know this.

