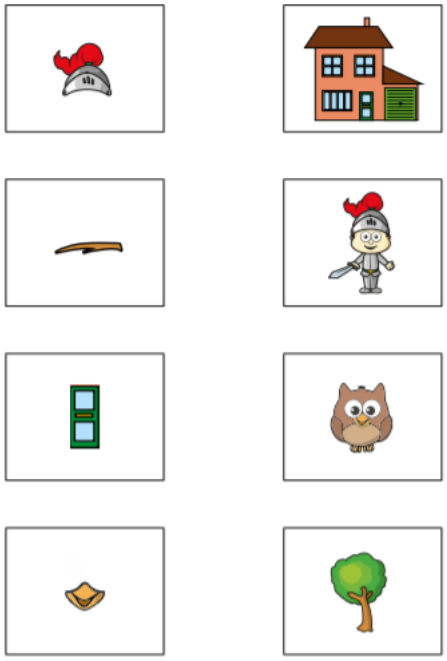
Year 2 Week 1 Maths Home Learning- Fractions

Monday 20th April 2020 Week 1- Lesson 1- Make equal parts

Please watch the video first https://whiterosemaths.com/homelearning/year-2/ (Week 1 Lesson 1)

Make equal parts

1 Match the part to the whole.



2 Complete the sentences.

a)

There are ☐ equal parts.

b)

There are ☐ equal parts.

3 Complete the sentences.

a)

There are ☐ equal groups.

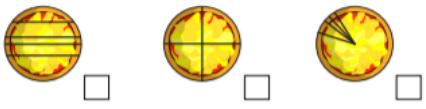
Each group has ☐ cakes.

b)

There are ☐ equal groups.

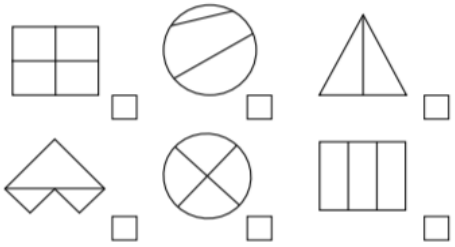
Each group has ☐ child.

4 Tick the pizza that has been split into equal parts.



5 How do you know the loaf of bread is not in equal parts?

6 Tick the shapes that show equal parts.



7 Take 12 counters.

a) Show that you can make 2 equal groups.

b) Show that you cannot make 5 equal groups.

What other equal groups can you make?

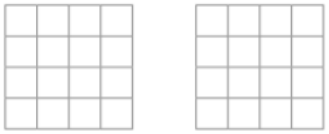
8 Draw lines to split the shapes.

a) Split each shape into 2 equal parts.

b) Split each shape into 2 parts that are not equal.

9 Here is one way to colour the square to show equal parts.

Find two more ways to colour the square to show equal parts.



Tuesday 21st April 2020 Week 1- Lesson 2- recognise a half

Please watch the video first https://whiterosemaths.com/homelearning/year-2/ (Week 1 Lesson 2)

Recognise a half

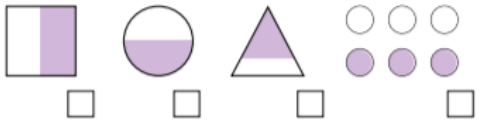
1 Complete the sentences.

The whole cake is split into ☐ equal parts.

Each part is worth a _____.

This can be written as ☐

2 Tick the diagrams that have one half shaded.



3 Is $\frac{1}{2}$ of each shape shaded? How do you know?

a) 

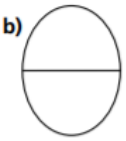
b) 

4 Colour $\frac{1}{2}$ of each shape.

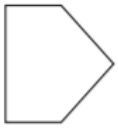
a) 

c) 

e) 

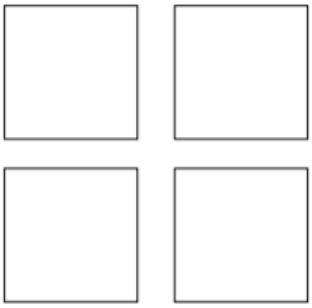
b) 

d) 

f) 

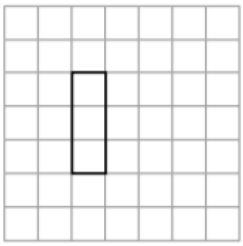
5 Colour $\frac{1}{2}$ of each square.

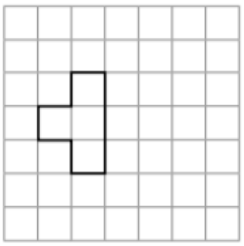
Show four different ways.

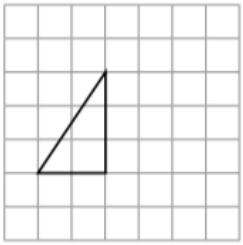


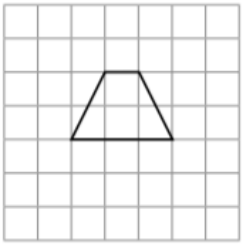
6 Only $\frac{1}{2}$ of each shape has been drawn.

Draw the missing half to make the whole.

a) 

c) 

b) 

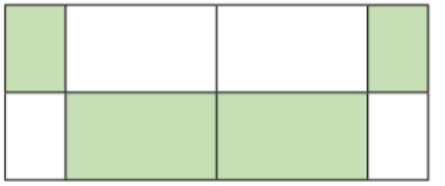
d) 

7 Draw a cross halfway along each line.

a) _____

b) _____

8 The shaded part of this shape does not show a half because the shape is not split into 2 equal parts.



a) Is Tommy correct? _____

b) How do you know?

Talk about it with a partner.

Wednesday 22nd April 2020 Week 1- Lesson 3- Find a half

Please watch the video first https://whiterosemaths.com/homelearning/year-2/ (Week 1 Lesson 3)

Find a half

1 Here are 6 counters.

a) Share the counters into 2 equal groups.

Group 1	Group 2

b) Complete the sentences.

There are 6 counters.

The counters are shared equally between ☐ groups.

There are ☐ counters in each group.

$\frac{1}{2}$ of 6 is equal to ☐

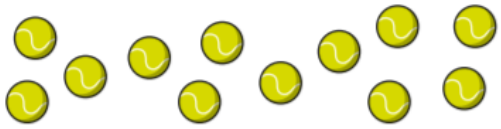
2 Use counters.

a) Can you share 10 counters into 2 equal groups? _____

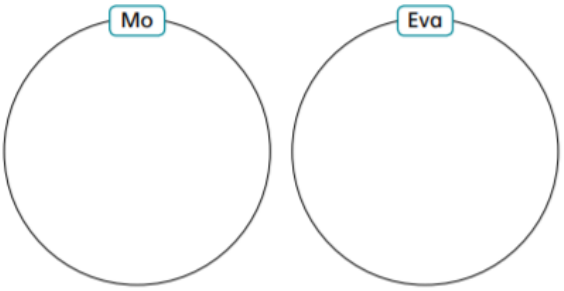
b) Can you share 11 counters into 2 equal groups? _____

Talk about it with a partner.

3 Mo and Eva have 12 tennis balls.



Share the tennis balls equally between Mo and Eva.



Find a half

1 Here are 6 counters.

a) Share the counters into 2 equal groups.

Group 1	Group 2

b) Complete the sentences.

There are 6 counters.

The counters are shared equally between ☐ groups.

There are ☐ counters in each group.

$\frac{1}{2}$ of 6 is equal to ☐

2 Use counters.

a) Can you share 10 counters into 2 equal groups? _____

b) Can you share 11 counters into 2 equal groups? _____

Talk about it with a partner.

3 Mo and Eva have 12 tennis balls.

Share the tennis balls equally between Mo and Eva.

Mo

Eva

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Thursday 23rd April 2020 Week 1- Lesson 4- Recognise a Quarter

Please watch the video first https://whiterosemaths.com/homelearning/year-2/ (Week 1 Lesson 4)

Recognise a quarter

1 Use the words to complete the sentences.

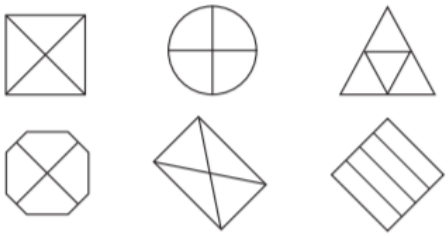
quarter equal

The shape has been split into 4 _____ parts.

One of the 4 equal parts is called a _____.

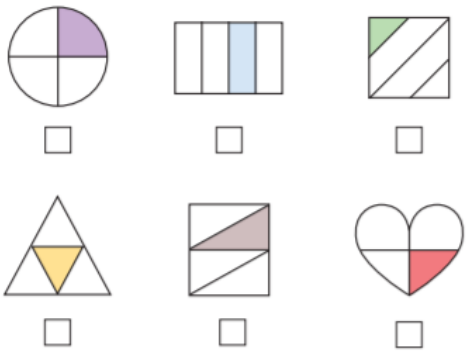
This can be written as $\frac{1}{4}$

2 Colour $\frac{1}{4}$ of each shape.



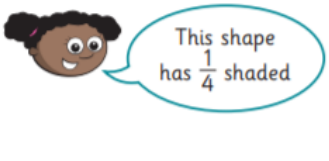
Does it matter which quarter you colour?
Talk to a partner.

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



Talk about your answers with a partner.

4



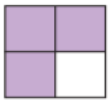
Do you agree with Whitney? _____

Why?

5 Do the shapes show $\frac{1}{4}$?

Tick your answer.

a)  Yes ☐ No ☐

b)  Yes ☐ No ☐

How did you work this out?

6 Only $\frac{1}{4}$ of each shape has been drawn.

Draw the rest of each shape to make the whole shape.

a) 

c) 

b) 

7

Rosie: $\frac{1}{4}$ of these shapes are shaded.

Amir: That is not possible as they do not look like equal parts.

a) Who is correct? _____

How do you know?

b) Find two more ways to split the rectangle into quarters.

Colour $\frac{1}{4}$ of each shape.

Friday 24th April 2020 Week 1- Lesson 5- Find a quarter

Please watch the video first https://whiterosemaths.com/homelearning/year-2/ (Week 1 Lesson 5)

Find a quarter

1 Here are 8 counters.

a) Share the counters equally into 4 groups.

b) Complete the sentences.

[ ] counters are shared equally between [ ] groups.

There are [ ] counters in each group.

c) What is $\frac{1}{4}$ of 8? [ ]

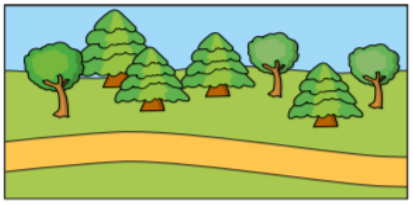
How did you work this out?

2 There are 12 pencils.

a) Share them equally between 4 pencil pots.

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

3 Tom and Dora are walking along a path.
By midday Dora has walked halfway.
Tom has walked a quarter of the way.

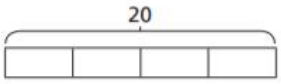


a) Draw an arrow to show where Dora is.

b) Draw an arrow to show where Tom is.

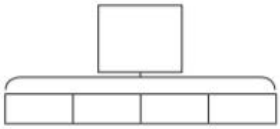
4 Use the bar models to help you work out a quarter.

a) Work out $\frac{1}{4}$ of 20



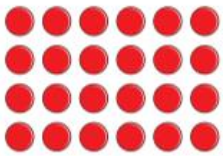
$\frac{1}{4}$ of 20 = [ ]

b) Work out $\frac{1}{4}$ of 16



$\frac{1}{4}$ of 16 = [ ]

5 Show that $\frac{1}{4}$ of 24 is 6



6 

Use this method to find $\frac{1}{4}$ of 12

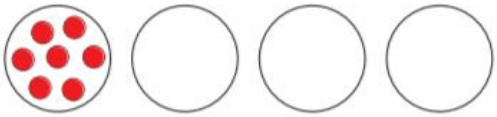
$\frac{1}{4}$ of 12 = [ ]

7 Complete the table.

Number	$\frac{1}{2}$ of Number	$\frac{1}{4}$ of Number
8		
20		
24		

8 $\frac{1}{4}$ of a number is 7

What is the number?



The number is [ ]