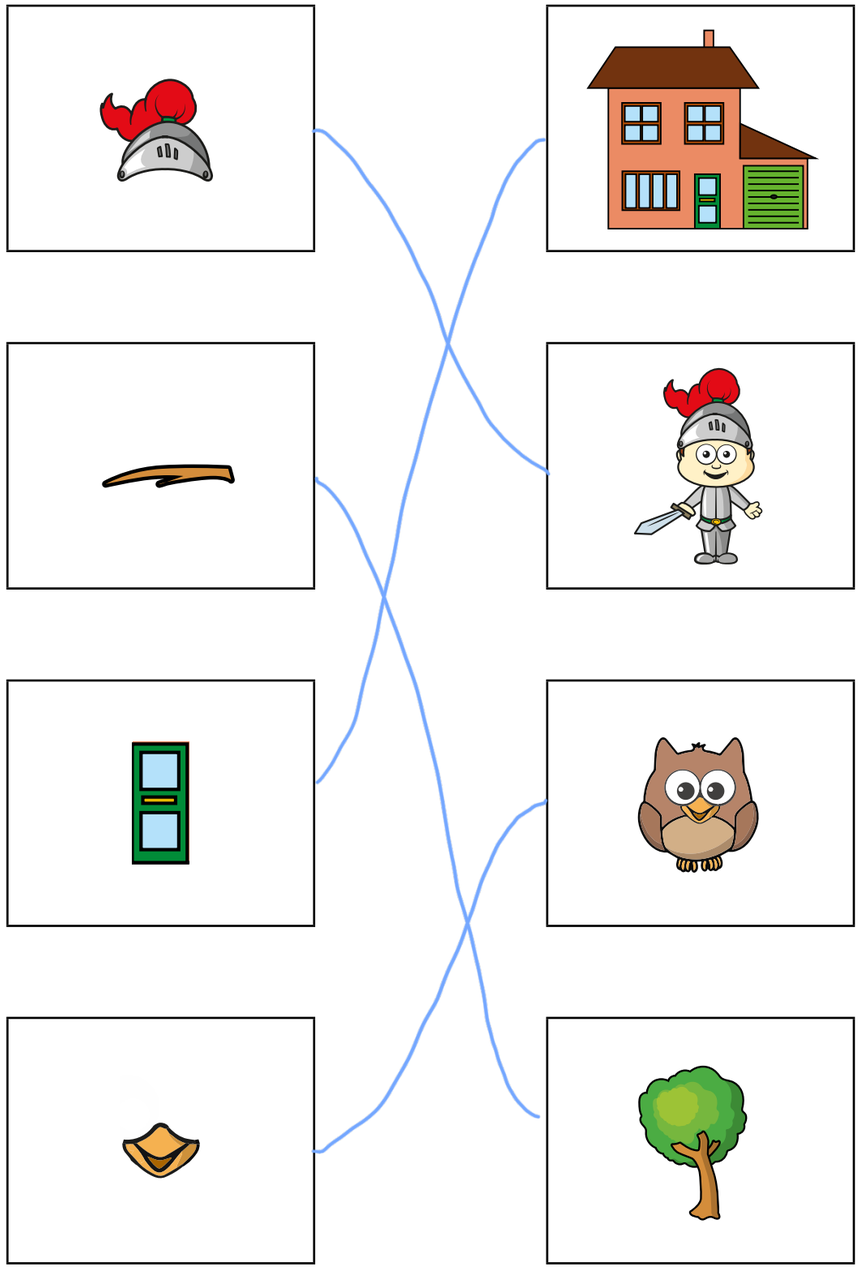
Make equal parts

1 Match the part to the whole.

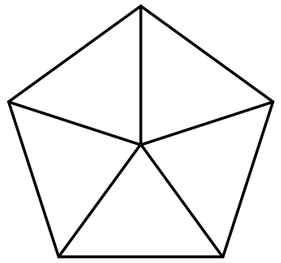


2 Complete the sentences.

a)

There are [2] equal parts.

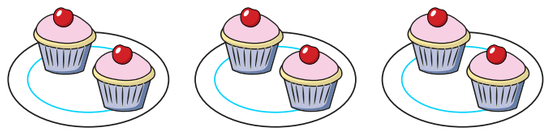
b)



There are [5] equal parts.

3 Complete the sentences.

a)



There are [3] equal groups.

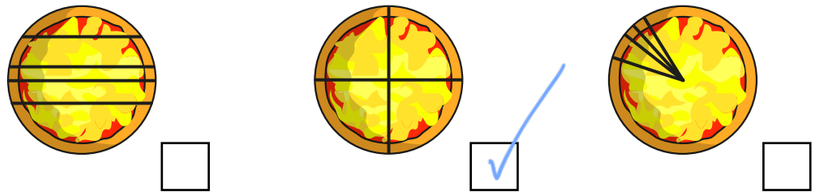
Each group has [2] cakes.

b)

There are [5] equal groups.

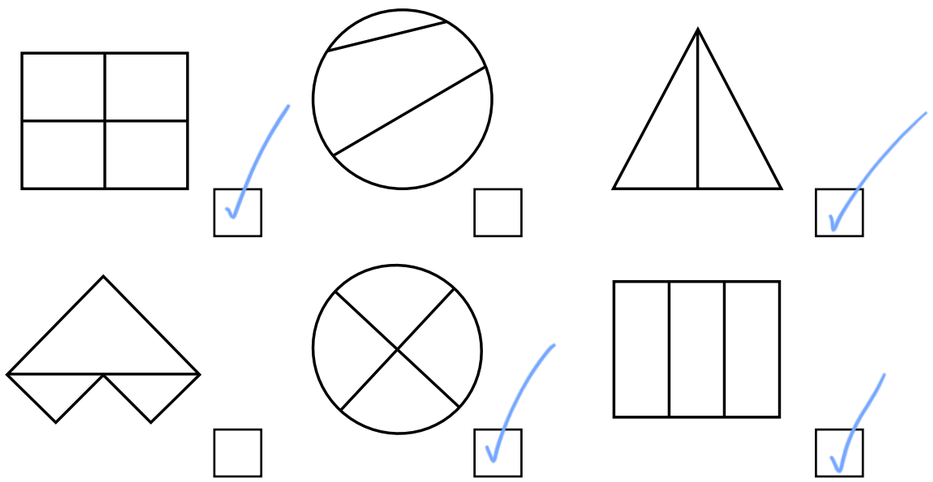
Each group has [1] child.

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.

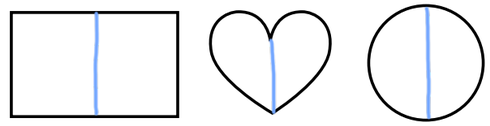
a) Show that you can make 2 equal groups.

b) Show that you cannot make 5 equal groups.

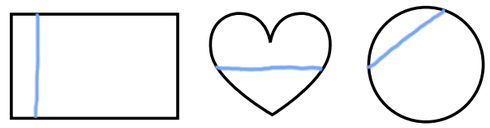
What other equal groups can you make?

8 Draw lines to split the shapes.

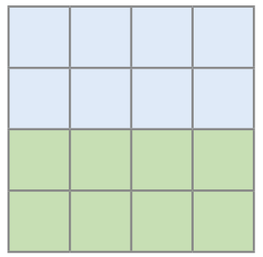
a) Split each shape into 2 equal parts.



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

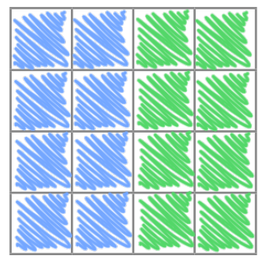


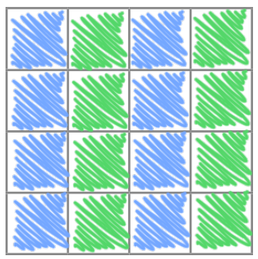
9 Here is one way to colour the square to show equal parts.



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

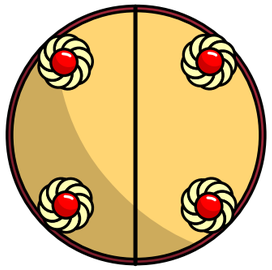
e.g.





Recognise a half

1 Complete the sentences.



The whole cake is split into

2

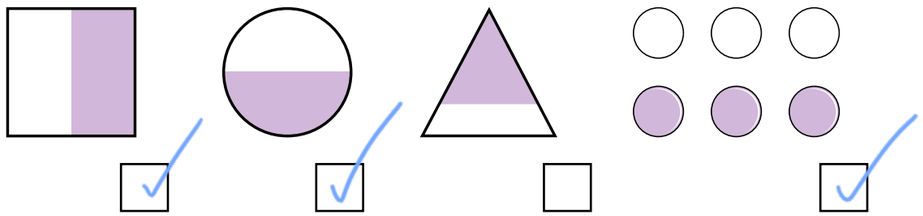
equal parts.

Each part is worth a half .

This can be written as

$\frac{1}{2}$

2 Tick the diagrams that have one half shaded.



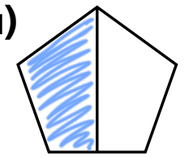
3 Is $\frac{1}{2}$ of each shape shaded? How do you know?

a)

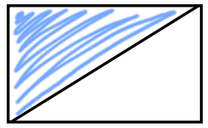
b)

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

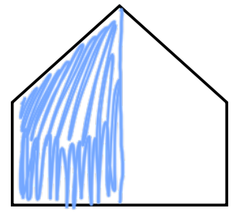
a)



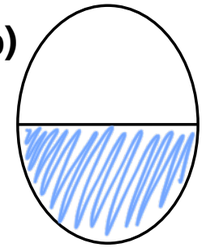
c)



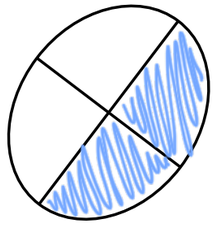
e)



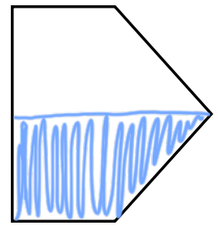
b)



d)



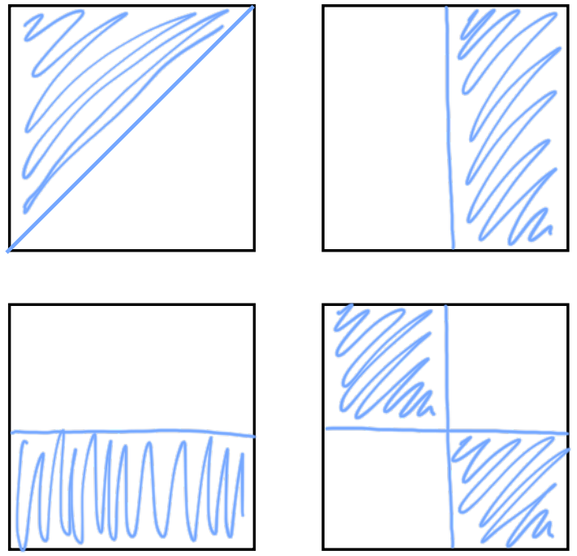
f)



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

Show four different ways.

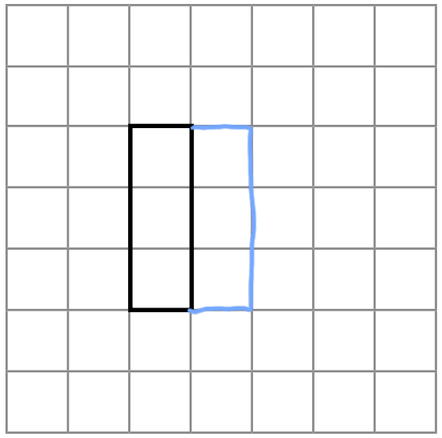
e.g.



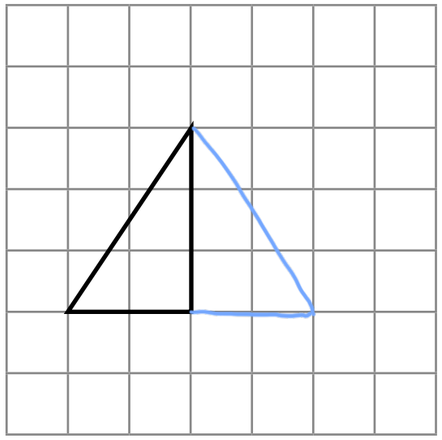
6 Only $\frac{1}{2}$ of each shape has been drawn.

Draw the missing half to make the whole.

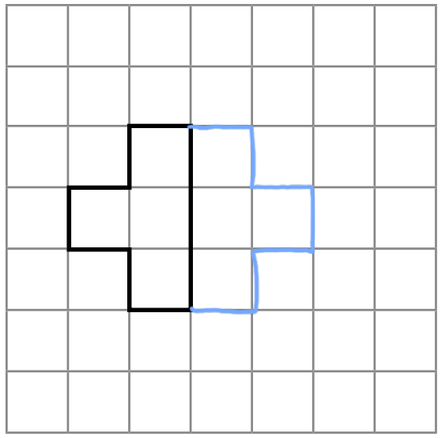
a)



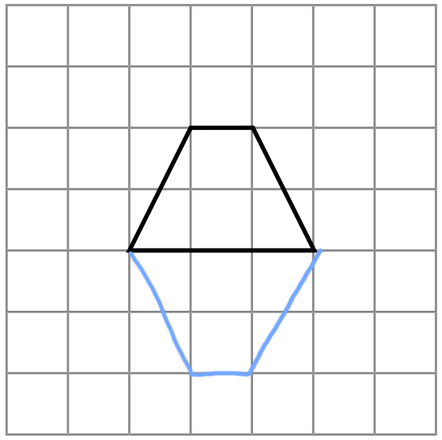
b)



c)



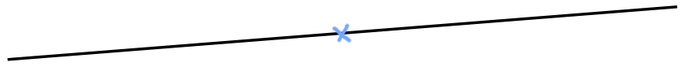
d)



7 Draw a cross halfway along each line.

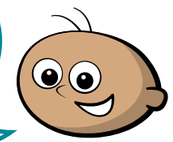
a)

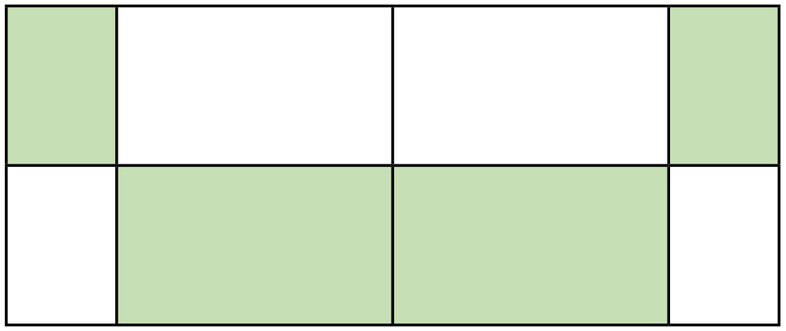
b)



8

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





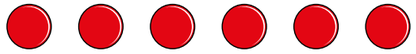
a) Is Tommy correct? No

b) How do you know?

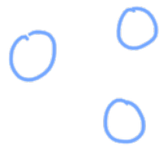
Talk about it with a partner.

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 [2] groups.

There are [3] counters in each group.

$\frac{1}{2}$ of 6 is equal to [3]

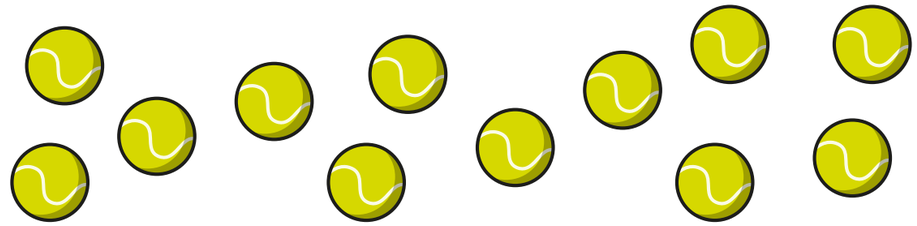
2 Use counters.

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

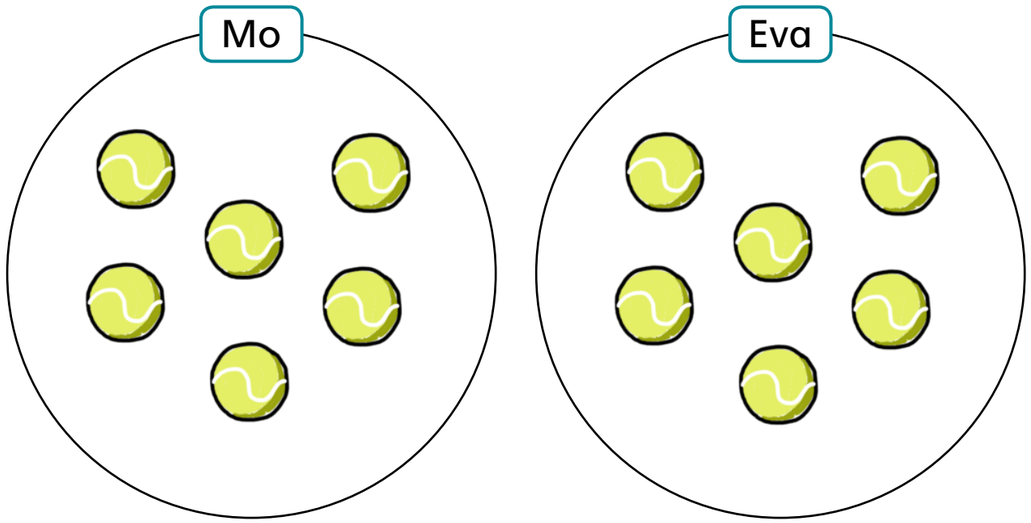
b) Can you share 11 counters into 2 equal groups? No

Talk about it with a partner.

3 Mo and Eva have 12 tennis balls.



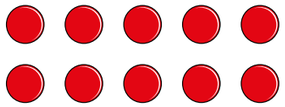
Share the tennis balls equally between Mo and Eva.



4 Find $\frac{1}{2}$ of each number.

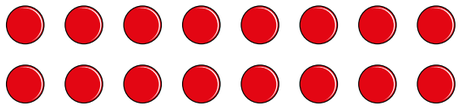
Use the arrays to help you.

a)



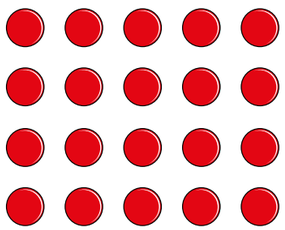
$\frac{1}{2}$ of 10 = 5

b)



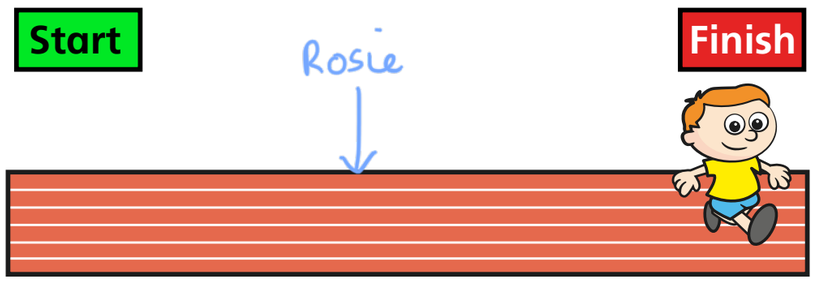
$\frac{1}{2}$ of 16 = 8

c)



$\frac{1}{2}$ of 20 = 10

5 Ron has run 20 m.

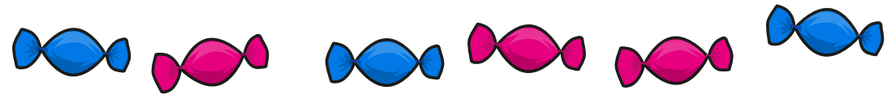


Rosie has run half that distance.

a) Draw an arrow on the running track to show where Rosie is.

a) How far has Rosie run? 10 m

6 Here are half of Annie's sweets.



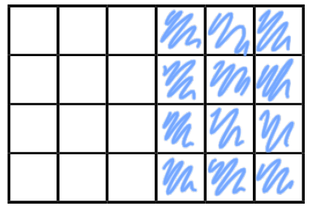
How many sweets does Annie have in total? 12

Compare answers with a partner.

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

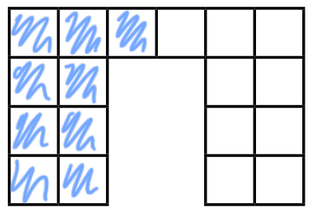
Use the shapes to help you complete the number sentences.

a)



$\frac{1}{2}$ of 24 = 12

b)



$\frac{1}{2}$ of 18 = 9

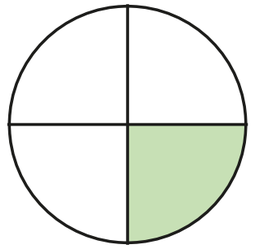
8 Complete the number sentences.

$\frac{1}{2}$ of 20 = 10 $\frac{1}{2}$ of 14 = 7

Recognise a quarter

1 Use the words to complete the sentences.

quarter equal



The shape has been split into

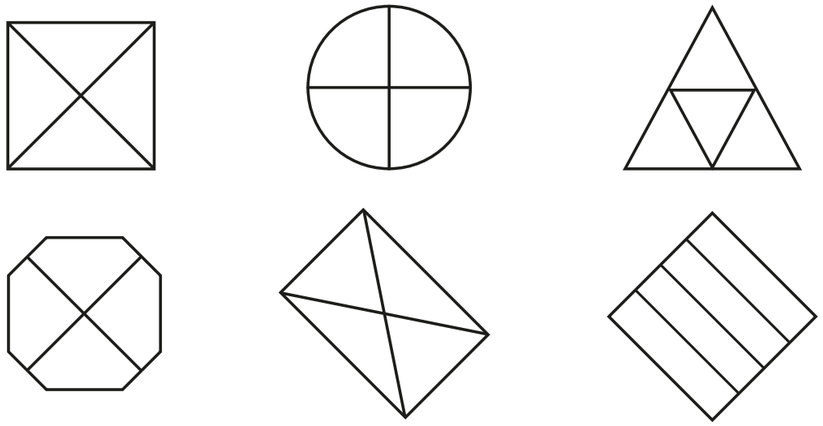
4 _____ parts.

One of the 4 equal parts is called

a _____.

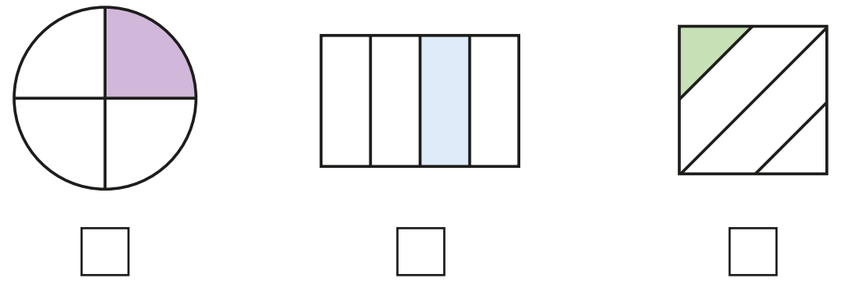
This can be written as $\frac{1}{4}$

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



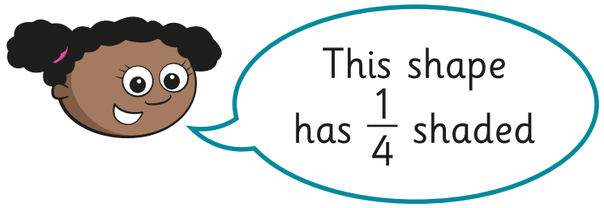
Does it matter which quarter you colour?
Talk to a partner.

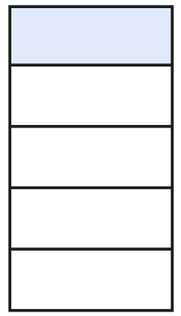
3 Tick the shapes that have $\frac{1}{4}$ shaded.



Talk about your answers with a partner.

4





Do you agree with Whitney? _____

Why?

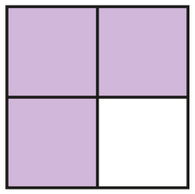
5 Do the shapes show $\frac{1}{4}$?

Tick your answer.

a)

Yes ☐ No ☐

b)



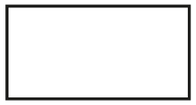
Yes ☐ No ☐

How did you work this out?

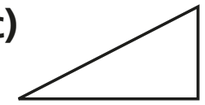
6 Only $\frac{1}{4}$ of each shape has been drawn.

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

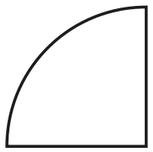
a)



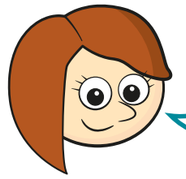
c)



b)

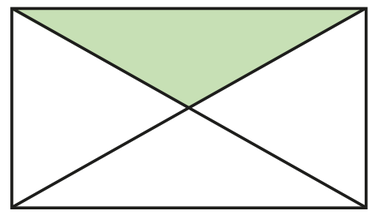


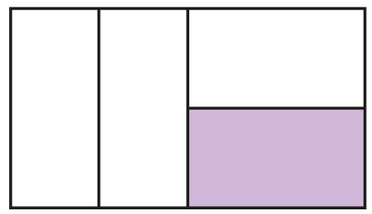
7



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.