Maths Planning and Ideas

Week Commencing: Monday 12th April 2021

Year Group: 3

	Monday	Tuesday	Wednesday	Thursday	Friday
Area of Learning	**LC: Can you recognise a half?**	**LC: Can you find a half?**	**LC: Can you recognise a quarter?**	**LC: Can you find a quarter?**	**LC: Can you recognise a third?**
Activity	**Starter:** Times Tables Rockstars **Main:** Go to the following website: https://vimeo.com/511155603 Find and watch 'Recognise a half' video. Pause if you need to take notes or replay sections to help with understanding. **Independent Task**: Children to complete the worksheet found in the resources. Answers can be found in the resources.	**Starter:** Times Tables Rockstars **Main:** Go to the following website: https://vimeo.com/511156128 Find and watch 'Find a half' video. Pause if you need to take notes or replay sections to help with understanding. **Independent Task**: Children to complete the worksheet found in the resources. Answers can be found in the resources.	**Starter:** Times Tables Rockstars **Main:** Go to the following website: https://vimeo.com/511156539 Find and watch 'Recognise a quarter' video. Pause if you need to take notes or replay sections to help with understanding. **Independent Task**: Children to complete the worksheet found in the resources. Answers can be found in the resources.	**Starter:** Times Tables Rockstars **Main:** Go to the following website: https://vimeo.com/513814593 Find and watch 'Find a quarter' video. Pause if you need to take notes or replay sections to help with understanding. **Independent Task**: Children to complete the worksheet found in the resources. Answers can be found in the resources.	**Starter:** Times Tables Rockstars **Main:** Go to the following website: https://vimeo.com/515212009 Find and watch 'Recognise a third' video. Pause if you need to take notes or replay sections to help with understanding. **Independent Task**: Children to complete the worksheet found in the resources. Answers can be found in the resources.

Where can I complete further work?

Twinkl – Subscription service used by schools is offering a free premium service for teachers, parents and children to use whilst schools are closed. Enter the code **UKTWINKLHELPS** for access to worksheets, powerpoints and interactive games to support all areas of learning.

Classroom Secrets – Free Maths, Reading and Grammar home learning packs and interactive resources for all ages.

BBC Bitesize Primary – Free learning resources available for KS1 and KS2 across all subjects.

Oxford Owl – Free ebooks and reading resources available when you create a free login.

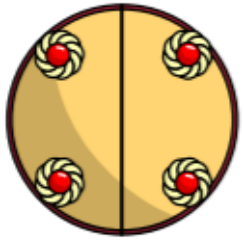
Phonics Play – Subscription service is offering free access to their learning resources during this period. Follow the link for details on how to gain free access.

Top Marks – Free educational resources and games for English and Maths.

ICT Games – Free educational resources and games for English and Maths.

Recognise a half

1 Complete the sentences.

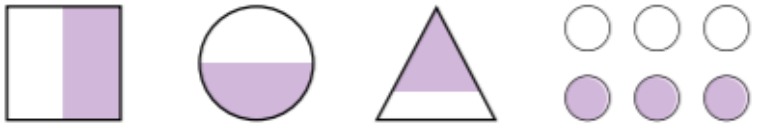


The whole cake is split into ☐ equal parts.

Each part is worth a _____ .

This can be written as ☐

2 Tick the diagrams that have one half shaded.



☐ ☐ ☐ ☐

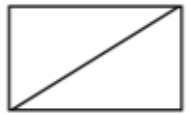
3 Is $\frac{1}{2}$ of each shape shaded? How do you know?

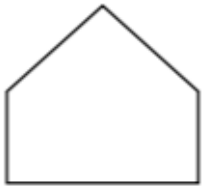
a) 

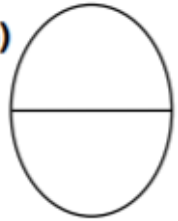
b) 

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

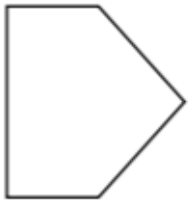
a) 

c) 

e) 

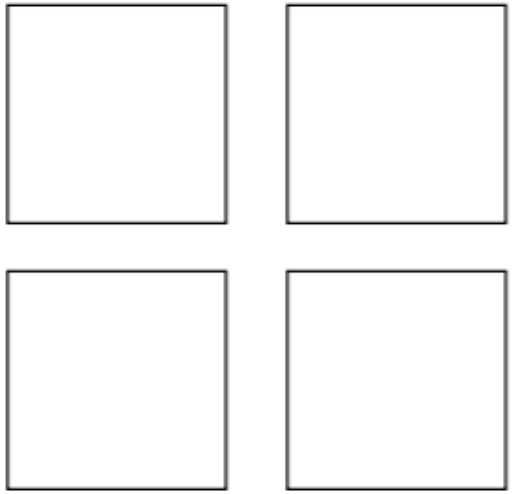
b) 

d) 

f) 

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

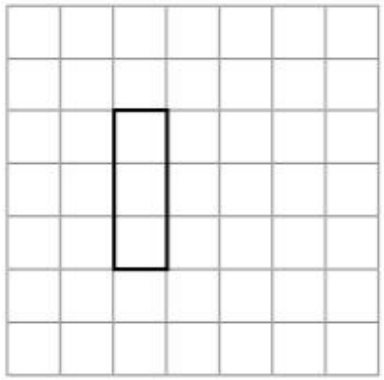
Show four different ways.



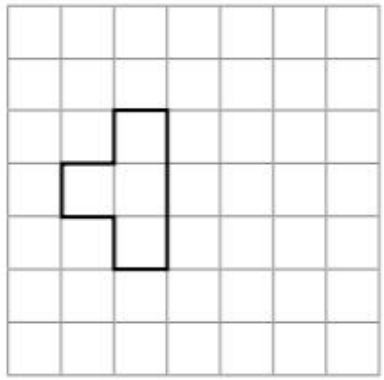
6 Only $\frac{1}{2}$ of each shape has been drawn.

Draw the missing half to make the whole.

a)



c)



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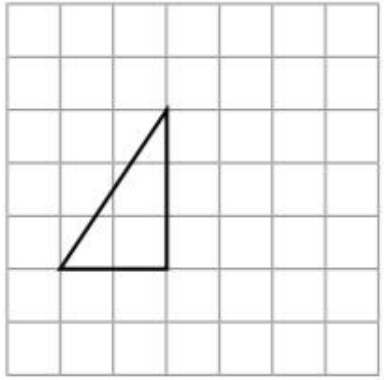

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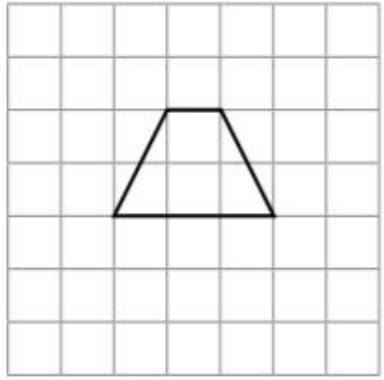
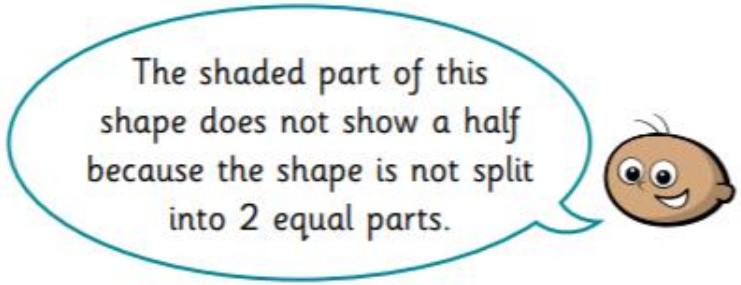


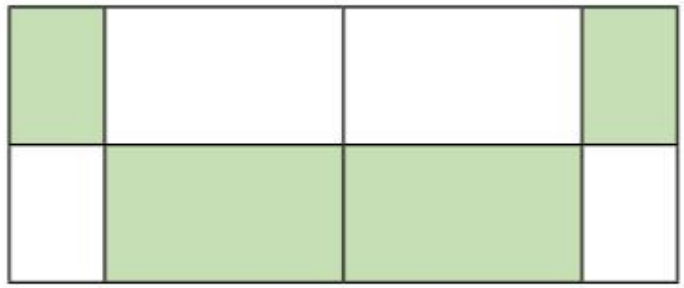
7 Draw a cross halfway along each line.

a) _____

b) _____

8





a) Is Tommy correct? _____

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 ☐ groups.

There are ☐ counters in each group.

$\frac{1}{2}$ of 6 is equal to ☐

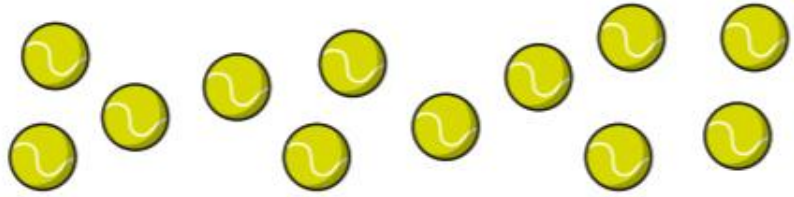
2 Use counters.

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

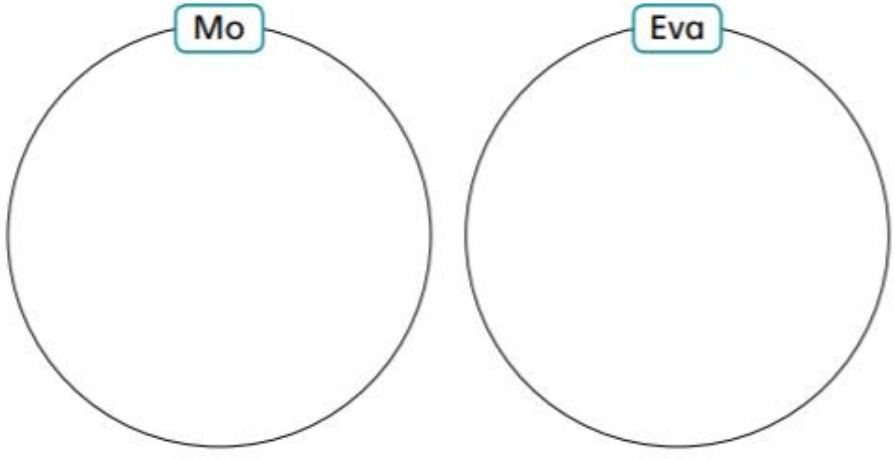
b) Can you share 11 counters into 2 equal groups? _____

Talk about it with a partner.

3 Mo and Eva have 12 tennis balls.



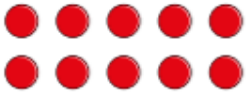
Share the tennis balls equally between Mo and Eva.



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

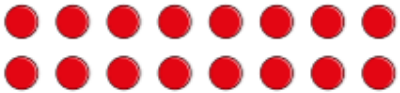
Use the arrays to help you.

a)



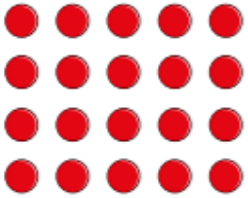
$\frac{1}{2}$ of 10 = ☐

b)



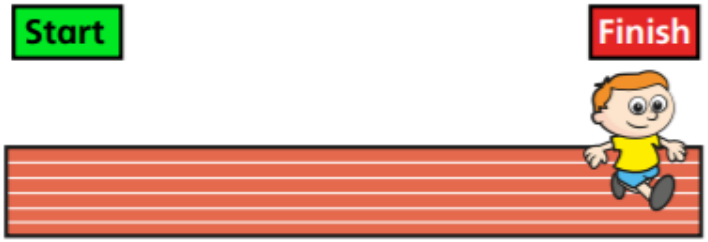
$\frac{1}{2}$ of 16 = ☐

c)



$\frac{1}{2}$ of 20 = ☐

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? ☐ m

6 Here are half of Annie's sweets.

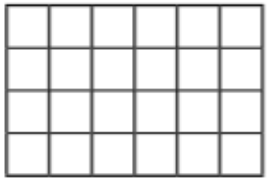
How many sweets does Annie have in total? ☐

Compare answers with a partner.

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

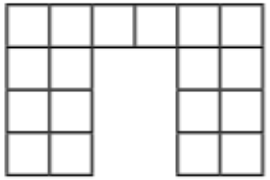
Use the shapes to help you complete the number sentences.

a)



$\frac{1}{2}$ of ☐ = ☐

b)



$\frac{1}{2}$ of ☐ = ☐

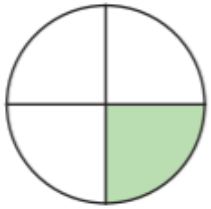
8 Complete the number sentences.

$\frac{1}{2}$ of ☐ = 10 $\frac{1}{2}$ of ☐ = 7

Recognise a quarter

1 Use the words to complete the sentences.

quarter equal



The shape has been split into

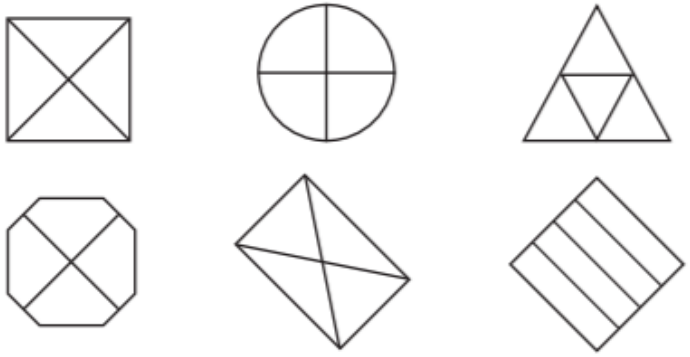
4 _____ parts.

One of the 4 equal parts is called

a _____.

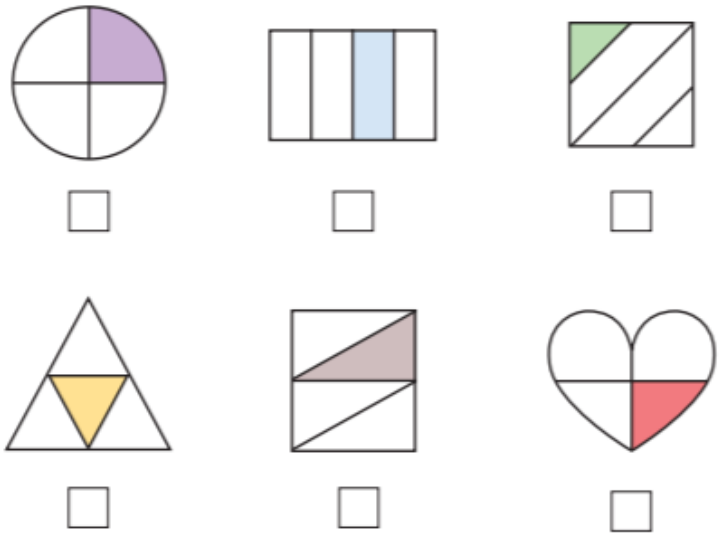
This can be written as $\frac{1}{4}$

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



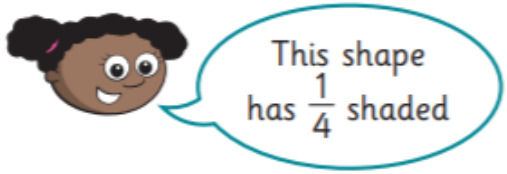
Does it matter which quarter you colour?
Talk to a partner.

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



Talk about your answers with a partner.

4



Do you agree with Whitney? _____

Why?

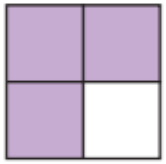
5 Do the shapes show $\frac{1}{4}$?

Tick your answer.

a)

Yes ☐ No ☐

b)



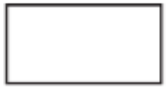
Yes ☐ No ☐

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)



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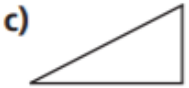


b)

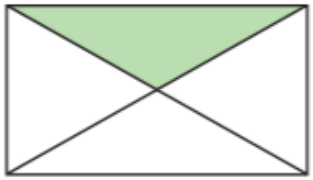
7

Rosie

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

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

Amir



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.

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.

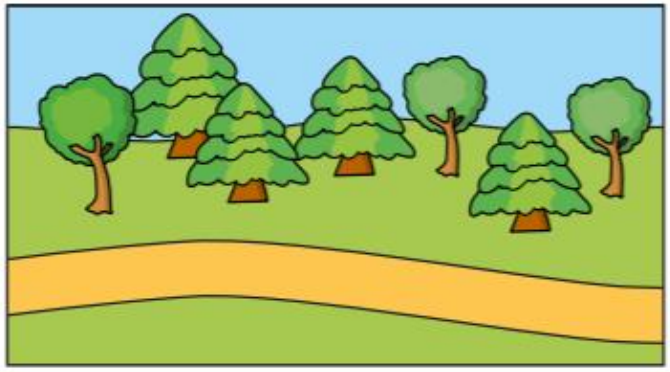
a) Share them equally between 4 pencil pots.

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.

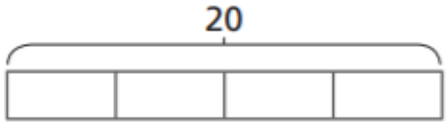


a) Draw an arrow to show where Dora is.

b) Draw an arrow to show where Tom is.

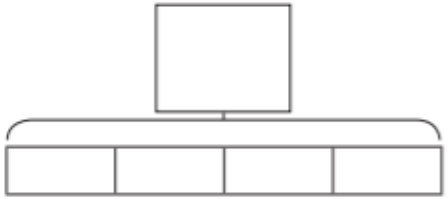
4 Use the bar models to help you work out a quarter.

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

I can find a quarter by halving a number and halving again.

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

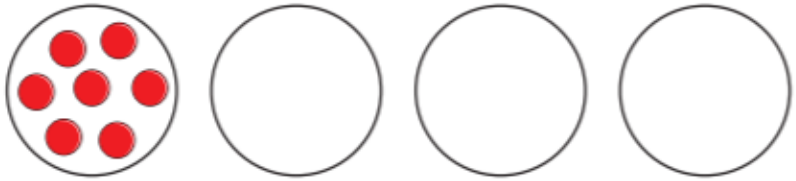
$\frac{1}{4}$ of 12 = ☐

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 ☐

Recognise a third

1 Use the words to complete the sentences.

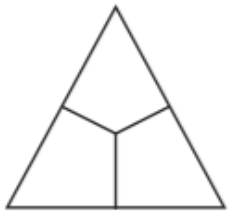
$\frac{1}{3}$ | three | third

The spinner is split into _____ parts.

Each part is worth a _____.

This can be written as ☐

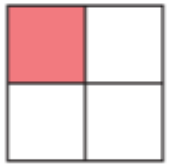
2 Colour $\frac{1}{3}$ of each shape.



3 Do the shapes have $\frac{1}{3}$ shaded?

Tick your answer.

a)



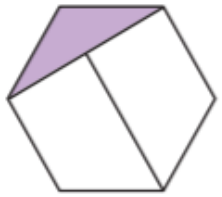
Yes ☐ No ☐

b)

Yes ☐ No ☐

How did you work this out? Talk to a partner.

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



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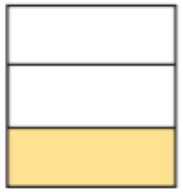

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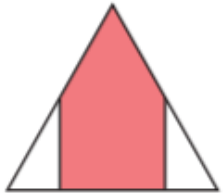

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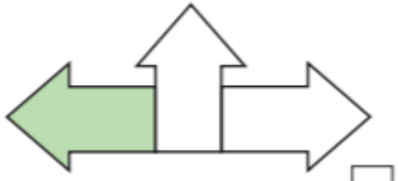

☐

5 Ron cuts up some fruit.

banana

apple

melon

a) Has the banana been cut into thirds?
How do you know?

_____

b) Which fruit has been cut into thirds?

_____

c) Which fruit has been cut into halves?

_____

6 Draw lines to split the cylinder into thirds.

7

$\frac{1}{3}$ is greater than $\frac{1}{2}$ because 3 is greater than 2

Is Alex correct? _____

Draw a picture to show your answer.

8 Only $\frac{1}{3}$ of each shape has been drawn.

Draw the whole shape in the box.

a) 

b)