

Maths Planning and Ideas



Week Commencing: 27th April 2020

Year Group: 2

This week we are going to do a little revision of work on fractions. We have already looked at this in the classroom, but this week it will be a good chance to remind yourselves of what we have learnt so far. I have included some of the sheets for recognising and finding one half and one quarter at the end of this planning document. These could be used to remind yourself of some of our previous learning. This could be done before you start this week's work, or you could complete one sheet each day before you do the lesson planned below.

	Monday	Tuesday	Wednesday	Thursday	Friday
Area of Learning	LC: Can you recognise one third?	LC: Can you find one third?	LC: Can you recognise unit fractions?	LC: Can you recognise non-unit fractions?	LC: Can you recognise one half is the same as two quarters?
Activity	<p>Starter:</p> <p>Times Table Rockstar</p> <p><i>Battle of the Bands and Garage challenges have been set for Y2 children.</i></p> <p>Main:</p> <ul style="list-style-type: none"> • Today's lesson is focusing on finding one third. • Use White Rose Maths: Home Learning. • https://whiterosemaths.com/homelearning/year-2/ • We are using Week 2 (NOT Summer Week 2) 	<p>Starter:</p> <p>Super movers 2x table</p> <p><i>Type this into your Google search menu and join in with Bridget the Lioness.</i></p> <p>Main:</p> <ul style="list-style-type: none"> • Today I would like you to follow the same link to White Rose https://whiterosemaths.com/homelearning/year-2/ • Please complete lesson Week 2, lesson 2: Find a third. 	<p>Starter:</p> <p>Times Table Rockstar</p> <p><i>Battle of the Bands and Garage challenges have been set for Y2 children.</i></p> <p>Main:</p> <ul style="list-style-type: none"> • Today I would like you to follow the same link to White Rose https://whiterosemaths.com/homelearning/year-2/ • Please complete lesson Week 2, lesson 3: Unit fractions. 	<p>Starter:</p> <p>Super movers 2x table</p> <p><i>Type this into your Google search menu and join in with Bridget the Lioness.</i></p> <p>Main:</p> <ul style="list-style-type: none"> • Today I would like you to follow the same link to White Rose https://whiterosemaths.com/homelearning/year-2/ • Please complete lesson Week 2, lesson 4: Non-unit fractions. 	<p>Starter:</p> <p>Times Table Rockstar</p> <p><i>Battle of the Bands and Garage challenges have been set for Y2 children.</i></p> <p>Main:</p> <ul style="list-style-type: none"> • Today I would like you to follow the same link to White Rose https://whiterosemaths.com/homelearning/year-2/ • Please complete lesson Week 2, lesson 5: Equivalence

<ul style="list-style-type: none"> • Watch the video and answer the questions on the accompanying worksheet. <p>Key Questions to discuss with children: <i>How many equal parts have you split the whole in to if you have split it into thirds? In 1 3 what does the digit 1 represent? What does the digit 3 represent? Can you shade 1 3 in a different way? How do you know that you have shaded 1 3 ? How many thirds make a whole?</i></p> <p>Independent: Complete the worksheet – recognise one third.</p>	<ul style="list-style-type: none"> • Complete the worksheet that goes with the lesson. <p>Key Questions to discuss with children: <i>How many objects make the whole? Can we split the whole amount into three equal groups? What is a third of ____ ? What is staying the same? What is changing? How does changing the whole amount change the answer? Is the answer still worth a third? Explain why?</i></p> <p>Independent: Complete the worksheet – Find a third.</p>	<ul style="list-style-type: none"> • Complete the worksheet that goes with the lesson <p>Key Questions to discuss with children: <i>How can we represent these unit fractions in different ways? Why do we call them a unit fraction? Where can we see the unit? Show me 1 2 , 1 3 , 1 4 of the model/counters etc. What is the same? What is different? Which unit fraction is bigger/smaller if the whole is the same?</i></p> <p>Independent: Complete the worksheet – Unit fractions.</p>	<ul style="list-style-type: none"> • Complete the worksheet that goes with the lesson <p>Key Questions to discuss with children: <i>How many quarters make a whole? How many thirds make a whole? What do you notice? How many quarters are there in 3 4 ? In 3 4 what does the digit 3 represent? What does the digit 4 represent? Give me an example of a unit fraction and a non-unit fraction.</i></p> <p>Independent: Complete the worksheet – non-unit fractions.</p>	<ul style="list-style-type: none"> • Complete the worksheet that goes with the lesson <p>Key Questions to discuss with children: <i>What does equivalent mean? What symbol do we use? Are these two fractions equal? (half and two quarters) Are the numerators the same? Are the denominators the same? How many quarters are equivalent to a half?</i></p>	<ul style="list-style-type: none"> • Complete the worksheet that goes with the lesson <p>Key Questions to discuss with children: <i>What does equivalent mean? What symbol do we use? Are these two fractions equal? (half and two quarters) Are the numerators the same? Are the denominators the same? How many quarters are equivalent to a half?</i></p>
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Supporting Resources for Maths

The following worksheet have been included as they revise our previous learning of finding one half and one quarter.

You can complete these at any point over the week if you wish to.


Recognise a half

1 Complete the sentences.

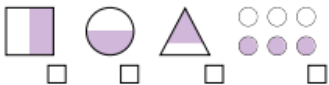
The whole cake is split into equal parts.

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) 

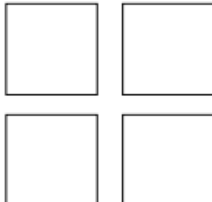
4 Colour $\frac{1}{2}$ of each shape.

a)  c)  e) 

b)  d)  f) 

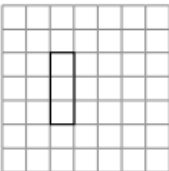
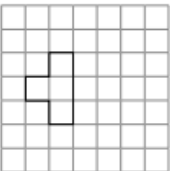
5 Colour $\frac{1}{2}$ of each square.

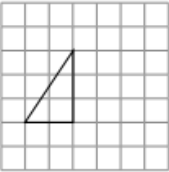
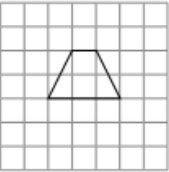
Show four different ways.




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


Draw the missing half to make the whole.

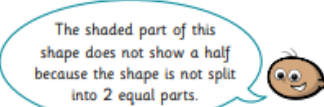
a)  c) 

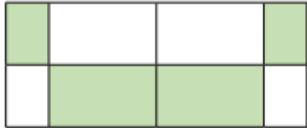
b)  d) 

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.

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? _____

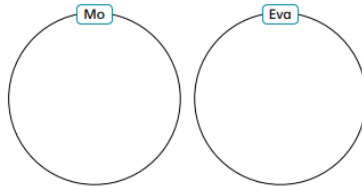
- b) Can you share 11 counters into 2 equal groups? _____

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.

Start

Finish



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

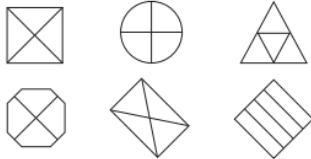


The shape has been split into 4 _____ parts.

One of the 4 equal parts is called a _____.

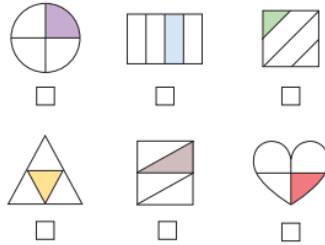
This can be written as $\frac{1}{4}$

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 This shape has $\frac{1}{4}$ shaded



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.

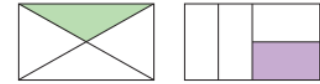
a) c) b)

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

Rosie

Amir: 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.

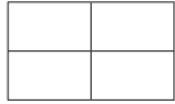
Colour $\frac{1}{4}$ of each shape.



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.

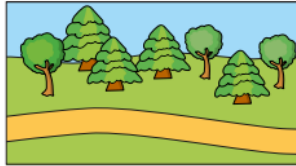


a) Share them equally between 4 pencil pots.



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.

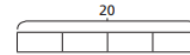


a) Draw an arrow to show where Dora is.

b) Draw an arrow to show where Tom is.

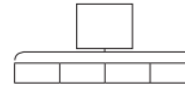
4 Use the bar models to help you work out a quarter.

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



$$\frac{1}{4} \text{ of } 20 = \square$$

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



$$\frac{1}{4} \text{ of } 16 = \square$$

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



$$\frac{1}{4} \text{ of } 12 = \square$$

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

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.

[White Rose Maths](#) – Free Maths home learning resources for all ages. Watch the videos and try the questions.

[Primary Stars](#) – Free Maths home learning packs for Year 1 and 2.

[BBC Bitesize Primary](#) – Free learning resources available for KS1 and KS2 across all subjects.

[I See Maths](#) – Free daily home maths lessons hosted by Gareth Metcalfe. Follow the link for videos, information and resources.

[Top Marks](#) – Free educational resources and games for English and Maths.

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