Maths Planning and Ideas

Week Commencing: 04.05.20 - Year Group: 1

Thank you for all of your hard work and support during home learning. We hope you are managing to access the resources and videos ok. Please do what you can and do not worry if you can't get through everything. The Challenge tasks are extras if you feel your child is ready to take on some problem solving, but again please do not feel pressured to do these if they are too challenging or you do not have the time.

	Monday	Tuesday	Wednesday	Thursday	Fri
	LC: Can you find a half?	LC: Can you make halves and quarters?	LC: Can you find a quarter of shapes?	LC: Can you find a quarter of quantities?	VE DAY
Acti vity	**Starter:** **Shark Numbers!** Practice place value up to 59 (or up to 99 if confident). Count the tens and ones and choose the correct number to avoid being eaten by the sharks. http://www.ictgames.com/sharkNumbers/mobile/index.html **Main:** On Thursday, children were practising finding a half practically (with counters or toys). Today they will recap this and put these skills into practise. Objects can still be used to aid learning here by practically making two equal groups before answering on the sheet.	**Starter:** **Chopper Squad!** Practise finding one more and one less than numbers up to 50 (Sound needed). https://www.topmarks.co.uk/learning-to-count/chopper-squad **Main:** Children explore quarters for the first time. They need to know that when we split a shape or number into 4 equal parts, one of these parts is a quarter. There are 4 quarters in a whole. For example, the first shape is split into 4 equal parts, so a quarter is shaded. The second shape is split into 4 parts, however they are not all the same, so they are not quarters.	**Starter:** **Happy Camel** This problem-solving game will help revise comparing weight. Put the objects on the balance scales to help Camel find his toy. https://pbskids.org/peg/games/happy-camel **Main:** Today children will continue to develop their understanding of quarters, equal and not equal. Watch the video tutorial: https://vimeo.com/405758197 **Key Questions:** *How many parts does my whole have?* *Are my parts equal or not equal?* *Can we make a quarter in a different way?*	**Starter:** **Daily 10!** Have another go at the mental maths challenge. See if you can do it quicker than last time. https://www.topmarks.co.uk/maths-games/daily10 **Main:** Today children will find a quarter of numbers. Use counters or toys to practise sharing into 4 equal parts. eg. give 4 objects and ask to share into 4 groups. There are ___ cakes. There is ___ cake in each quarter. A quarter of ___ is ___	

Here is the video tutorial if you would like a reminder:
https://vimeo.com/403212540

Key Questions:
How many halves make a whole?
Can you find a half?
Have you made 2 equal groups?

Independent Work:
See Monday resources below.

Challenge: Sort the shapes into the table. You could cut and stick these, or just discuss which shapes go in each column.

This is really important for children to understand.

They might also begin to make the link between halves and quarters:
-a quarter is half of a half.
or
-2 quarters are equal to a half.

Tuesday Challenge:
Using pieces of paper, playdough, biscuits, cakes, fruit, pizza or anything else you have in the house, practise cutting or making (with adult help) things into halves first, then into quarters.

I have included some ideas in Tuesday resources.

Practise saying:
1 **whole**, 1 **half**, 2 **halves** are **equal to** 1 whole etc.

1 **quarter,** 2 quarters etc.
Get your child to repeat each part.
Encourage them to use the key words in red.

We would love to see some of your fraction creations. Send pictures to oxcloseyear1@durhamlearning.net

Independent Work:
See Wednesday resources below.

Challenge - Tick the shapes that have one quarter shaded. Think carefully about equal parts. Can you explain why the other shapes do not show quarters?

Use the stem sentences above to practise using maths vocabulary.

Try with different numbers - 8, 12, 16

Now give your child 6 objects. Can we find a quarter of 6? Why not? How could you show me?

What about 10?

Key Questions:
What is the total of your objects?
How many parts are you sharing into?
Are they equal?
Are there any numbers that we can't find a quarter of? Why?

Independent Work:
See Thursday resources below and Thursday Challenges.
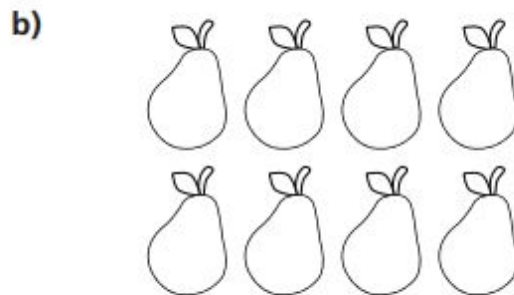
Monday 4th May - Finding a half

1 **a)** Circle half of the pencils.

b) Complete the sentence.

Half of 6 is ☐

2 Colour half of each group.

a)

b)

Did you do it the same way as your partner?

3 How many counters are there in each group?

Find half of each group.

a)

Half of ☐ is ☐

b)

Half of ☐ is ☐

c)

☐ is half of ☐

4 Complete the sentence.

7 is half of ☐

Sort the shapes into the table.

Shapes that are split in half	Shapes that are not split in half
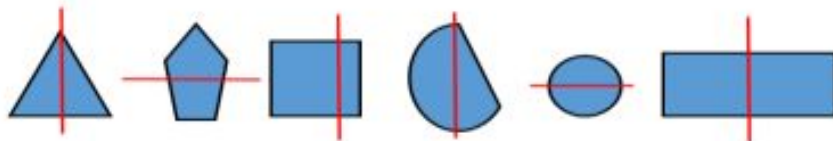
Can you add any more shapes to the table?
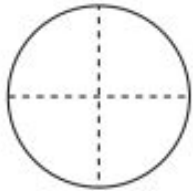
Tuesday 5th May - Ideas for making halves and quarters
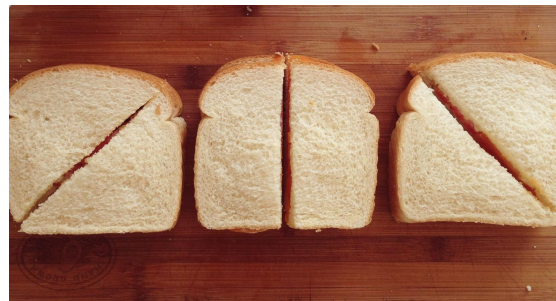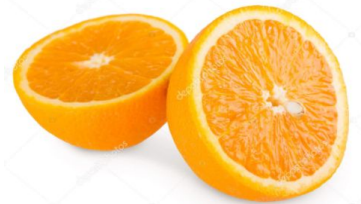
Challenge - Can you find halves and quarters in different ways?

Wednesday 6th May - Finding a quarter of shapes

1 Colour a quarter of each shape.
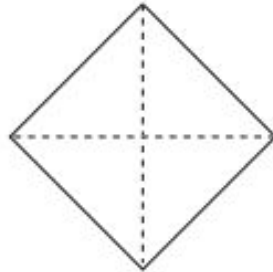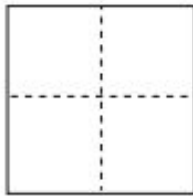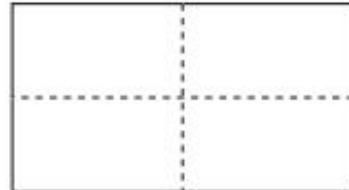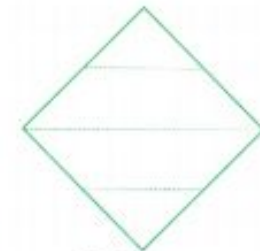
2 Show a quarter in four different ways.

Alex and Jack are talking about quarters.
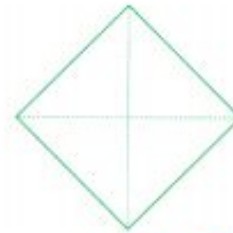
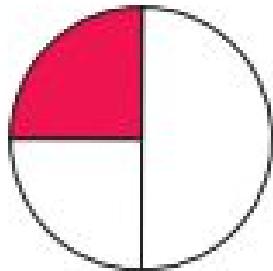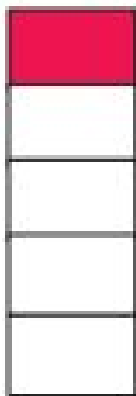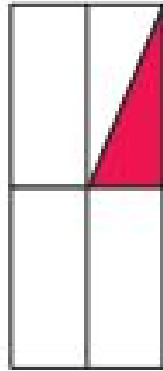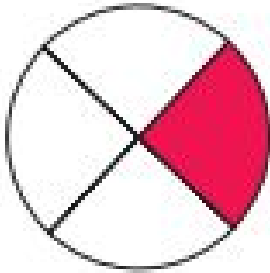> My shape shows quarters because it has four equal parts.

Alex

> My shape shows quarters because it has four parts.

Jack

Are they correct?
Explain your answer.

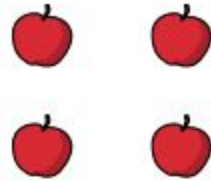Tick the shapes that show one quarter.

Thursday 7th May - Finding a quarter of numbers

1 Circle a quarter of each group.

a)

A quarter of 4 is ☐

b)

A quarter of 12 is ☐

c)

A quarter of 20 is ☐

2 Complete the sentences.

a) Half of 12 is ☐

A quarter of 12 is ☐

b) Half of 16 is ☐

A quarter of 16 is ☐

c) Half of 8 is ☐

A quarter of 8 is ☐

What do you notice?

3 A quarter is 6

What is the whole?

The whole is ☐

One cube is a quarter, what could the whole look like?

Two cubes are a quarter, what could the whole look like?

Three cubes are a quarter, what could the whole look like?

How many different possibilities can you make?

Mr. White has asked his class to put one quarter of the balls into the hoop.

Teddy: I'm going to put one ball in the hoop.

Whitney: I'm going to put three balls in the hoop.

Tommy: I'm going to put four balls into the hoop.

Who is correct? Can you explain any mistakes made?

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.

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