Maths – Week Beginning 20/04/20

MULTIPLICATION AND DIVISION

Monday 20/04/20
LO. I am learning to count in 10s

Previously we have learnt to count in 2s and 5s, watch the Jack Hartmann videos to refresh your memory. What are the patterns for counting in 2s and 5s? What do they always end in?

https://www.youtube.com/watch?v=OCxvNtrcDIs
https://www.youtube.com/watch?v=amxVL9KUmq8

Counting in 10s

This week we're learning to count in 10s. Read through the 10s to practise, what do you notice? Is there a pattern?

What do we have 10 of? Counting in 10s, how many fingers and toes are there in your house?

https://www.youtube.com/watch?v=W8CEOlAOGas

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Activity

Counting in 10s, fill in the empty number track.

Use the 100 square to help you if you need. Try to remember the pattern and rhythm to counting in 10s.

Challenge – read the question very carefully. Explain your answer using 'because'.

Monday 20/04/20
L.O: I am learning to count in 10s.

	20			

	50				

30		

		80		

Challenge 1: How many flowers are there altogether?

There are _____ flowers in each bunch.
There are _____ bunches.
There are _____ flowers altogether.

Challenge 2: In a shop, grapes come in bunches of 10

Tell me how you know.

Max wants to buy forty grapes.

Are there enough grapes?

Tuesday 21/04/20
LO. I am learning to make equal groups

When we have lots of items, we need to share them out. This is also called DIVIDING.

When we divide we have to make sure each group has the same amount so that it is FAIR and EQUAL.

Are the groups equal or unequal? Write a label for each.

division

- divide
- divided by
- divided into
- share
- share equally
- equal groups of

Starter Activity

'without remainders'. Share out the objects equally, how much will each person get?

Activity

Practically use resources in your house – pencils, buttons, toys and share them out equally according to the sheet.

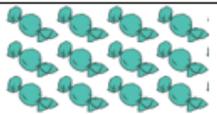Make sure each group has the same amount so it is EQUAL/ FAIR.

Challenge – Find out how many are in each group, how many groups are there? Use your knowledge of counting in 2s and 5s.

EXTRA CHALLENGE– reasoning and problems solving – answering using the word 'because'.

Tuesday 21/04/20

LO. I am learning to make equal groups

Use different things around your house to divide into different groups. If you don't have the item pictured, use something else.

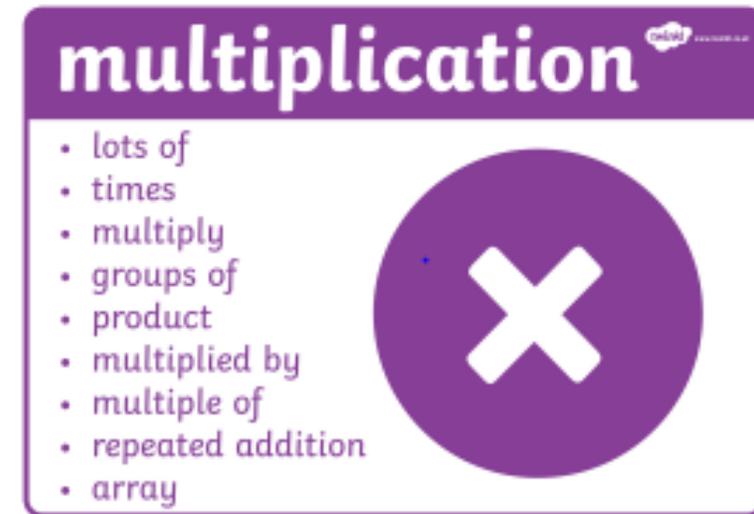| Amount of items:	Share them between:	How many each:
10 books	2	
12 sweets	3	
6 toothbrushes	2	
8 cups	4	
15 toys	3	

Wednesday 22/04/20
LO. I am learning to add equal groups.

https://central.espresso.co.uk/espresso/primary_uk/subject/module/video/item785315/grade1/module784709/index.html - introduction to multiplication.

Yesterday we were learning to divide – what does that mean? Sharing to make groups F_____ and E_____.

Today we are making equal groups by using repeated addition, also known as MULTIPLICATION.

Repeated addition is adding using the same number so the groups are equal, e.g. 5 + 5 + 5.

multiplication
- lots of
- times
- multiply
- groups of
- product
- multiplied by
- multiple of
- repeated addition
- array

Starter Activity

How many wheels altogether?

$2 + 2 + 2 + 2 + 2 =$

How many fingers altogether?

$5 + 5 + 5 =$

What do you notice about the answers?

What do you already know that can help you?

Use a numberline/hundred square to count in 2s and 5s and work out the answers.

Activity

Solve the repeated addition questions based on your knowledge of counting in 2s, 5s and 10s.

Read question carefully, which number are you adding in? Remember what number it will end in.

100 square is available – what are you counting in? How many times?

https://www.topmarks.co.uk/learning-to-count/paint-the-squares

Thursday 23/04/20
LO. I am learning to understand the relationship between making and adding equal groups

Find 15 pens/pencils in your home and 3 cuddly toys/dolls.

Share the pens/ pencils between your toys. How many do they get each?

$15 \div 3 =$ _____

Take all the pencils/ pens back to yourself, taking 5 at a time. How many groups of 5 do you have? How many altogether?

$5 \times 3 =$ ____ (5 + 5 + 5 is too long so we write 5 x 3 as there are 3 lots of 5)

What do you notice about the two number sentences?

https://www.topmarks.co.uk/Flash.aspx?f=FSInverseMachine – inverse operation, times and divide

Activity

Make equal groups using division. Ensuring each group has the same amount.

Add equal groups. What are you counting in? How many altogether?

Challenge – using multiplication/division relationships, can you fill in the missing numbers?

Thursday 23/04/20
LO. I am learning to understand the relationship between making and adding equal groups

Making Groups:

e.g. Share between 3	How many does each person get?	What does the calculation look like?
	① 2 3 4	3 ÷ 3 = ①
a. Share between 2	2 3 4 5	8 ÷ 2 =
b. Share between 4	2 3 4 5	12 ÷ 4 =
c. Share between 3	2 3 4 5	12 ÷ 3 =

Adding Groups

1 ladybird has 2 spots.	2	1 × 2 = 2
How many spots do 2 ladybirds have?	2 + 2 =	2 × 2 =
How many spots do 3 ladybirds have?	2 + 2 + 2 =	3 × 2 =
How many spots do 4 ladybirds have?	2 + 2 + 2 + 2 =	4 × 2 =