

Maths - Division

As always with maths, please encourage your children to show their working out and feel free to use physical resources to help them when needed.

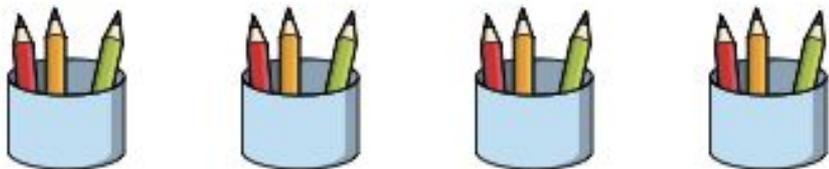
Day 1 - Sharing

This week we will be looking at division. Before the Christmas holidays we had learnt about multiplication, so we will start off with a quick recap on that.

The focus in this lesson is on sharing and recognising how a specific amount of items can be shared equally between a certain amount of people.

Multiplication recap!

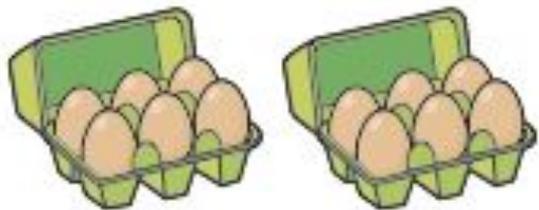
Think about how we worked these out before Christmas. You might want to use repeated addition to help you!



There are ____ equal groups with ____ in each group.

There are ____ pencils.

$$\underline{\quad} \times \underline{\quad} =$$



There are ____ equal groups with ____ in each group.

There are ____ pencils.

$$\underline{\quad} \times \underline{\quad} =$$

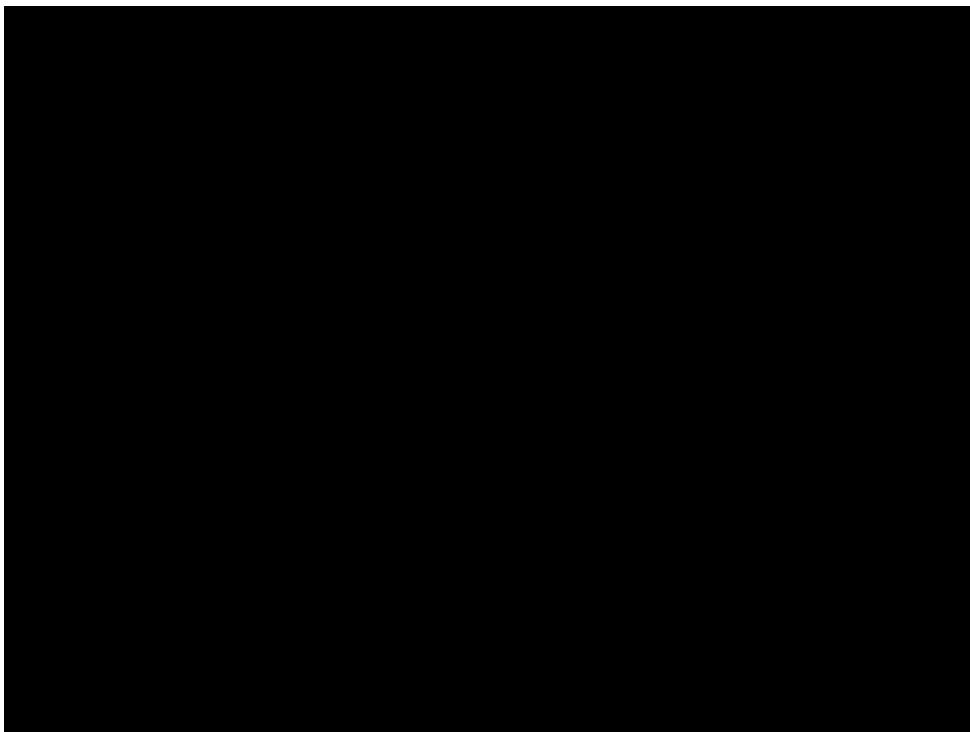
Challenge:
Can you draw this as
an array?

Now try these ones, don't forget to show your working out!

$$2 \times 3 =$$

$$4 \times 5 =$$

$$3 \times 3 =$$

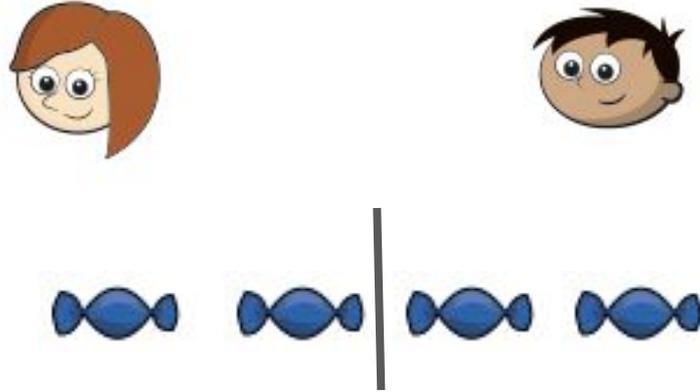


Rosie and Jeff have got some sweets.



Can you draw a line in to share the sweets **equally** between them?

Well done! Now can you tell me how many sweets each child gets?



Each child gets _____ sweets.

4 sweets shared equally between 2 is _____

These 4 children are sharing some grapes.

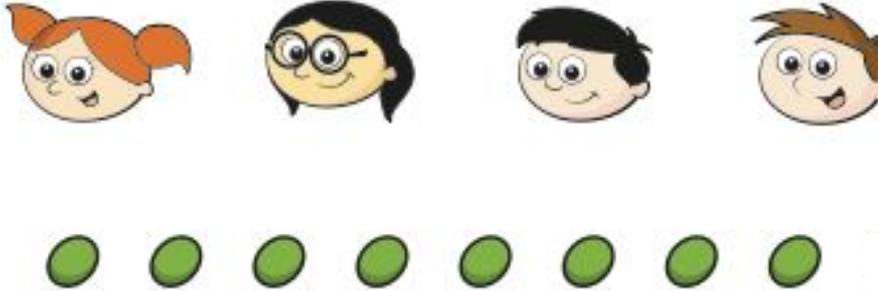


Can you draw lines in to share the grapes **equally** between them?

Each child gets _____ grapes.

8 grapes shared equally between 4 is _____.

Well done, your lines should have looked like this.

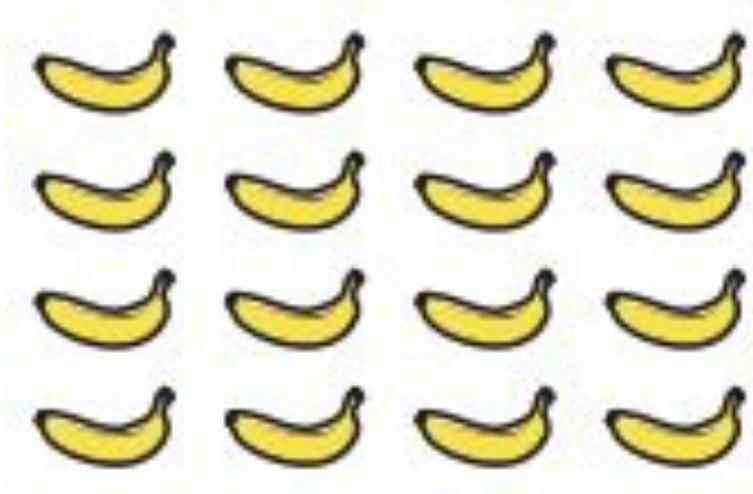


Each child gets 2 grapes.

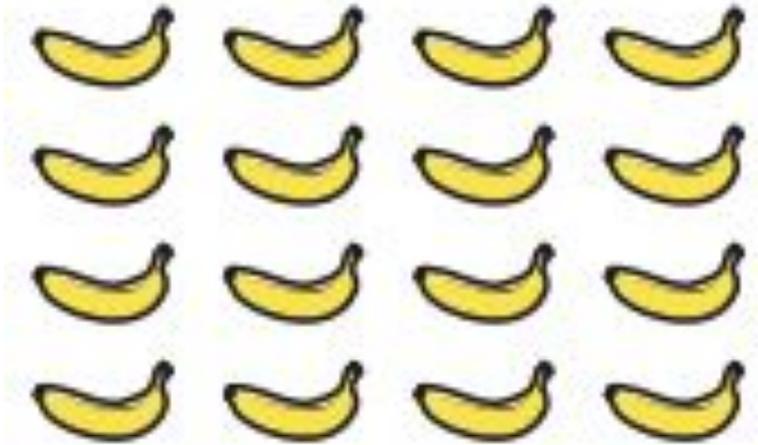
8 grapes shared equally between 4 is 2.



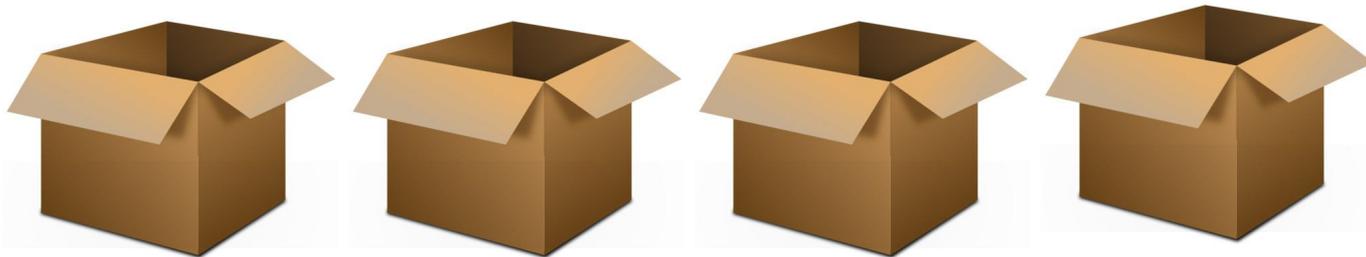
Mr Monkey has got lots of bananas here, can you count them?



Mr Monkey wants to share these 16 bananas between 4 boxes.

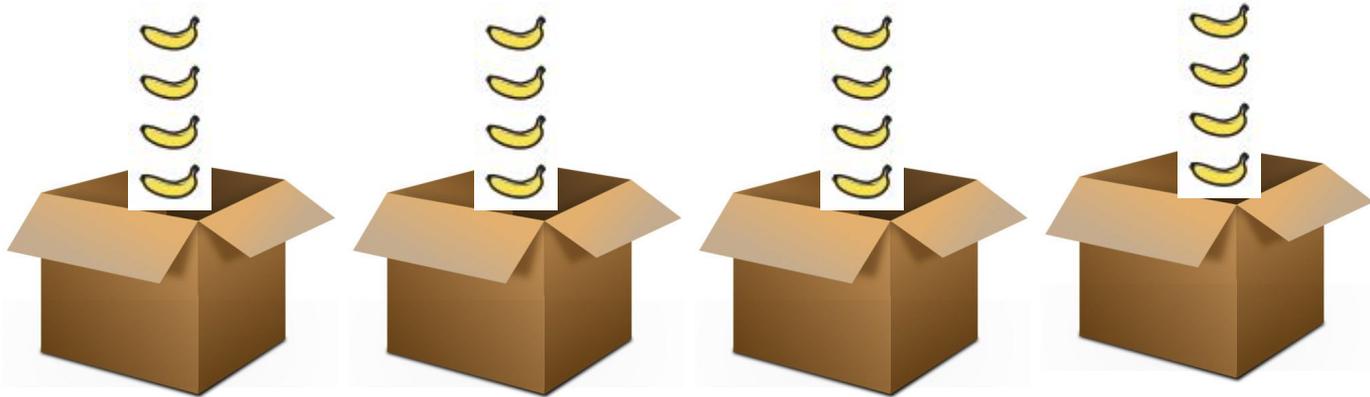


How many bananas will there be in each box?

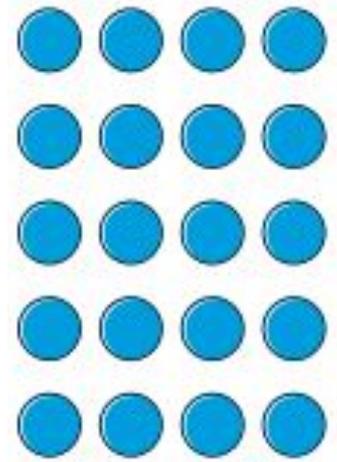


16 bananas shared between 4 boxes is _____.

There will be ____ bananas in each box.



There are 20 counters.



Can you share the 20 counters between 2 people?

How many counters does each person get?

Can you share the counters between 5 people?

How many counters does each person get?

Can you share the counters between 10 people?

How many counters does each person get?

Please now complete this sheet.

Make equal groups – sharing

- 1 Rosie and Amir are sharing some sweets.



- a) Draw lines to share the sweets equally.
- b) How many sweets does each child get?

Each child gets sweets.

8 sweets shared equally between 2 is

- 2 Five children share some grapes.

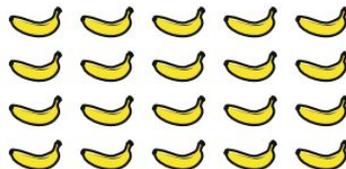


- b) How many grapes does each child get?

Each child gets grapes.

10 grapes shared equally between 5 is

- 3 Ron needs to share 20 bananas between 5 boxes.



How many bananas will there be in each box?

20 bananas shared between 5 boxes is



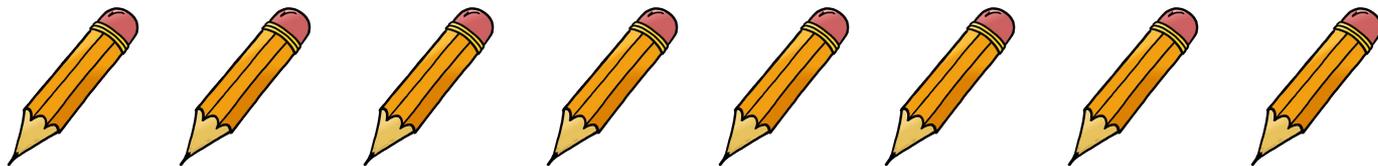
Day 2 - Sharing

In this lesson we will continue to look at making equal groups using sharing.

Feel free to use physical resources to help with your child's understanding of sharing.

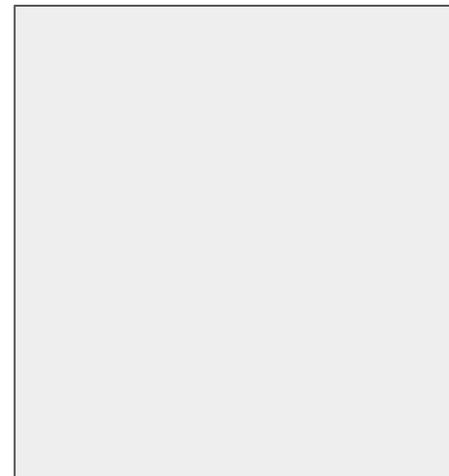
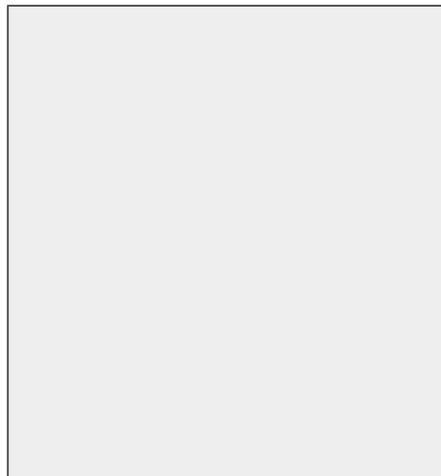


Burlington Bear has 8 pencils.



He wants to share them equally
between these 2 boxes.

Can you show how he would do
that?

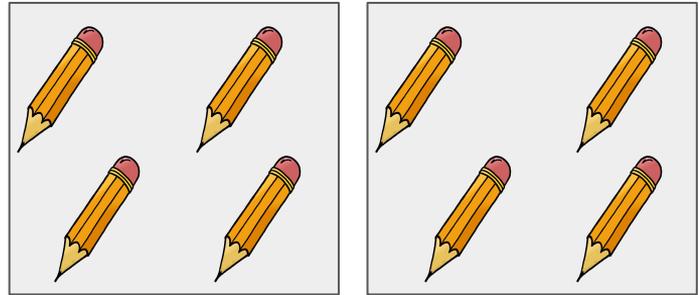


Can you complete the sentences now?

There are 8 pencils.

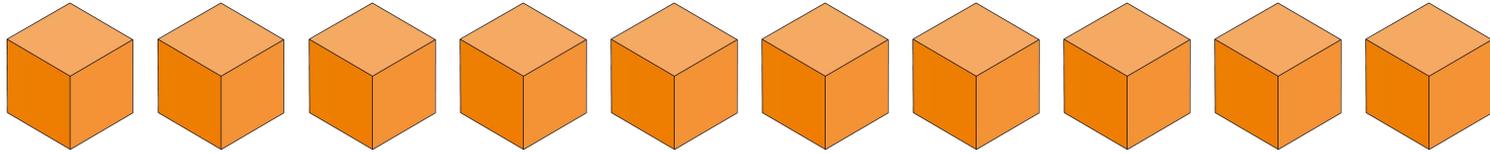
There are ___ boxes.

There are ___ pencils in each box.

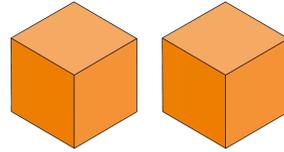
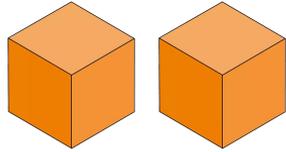
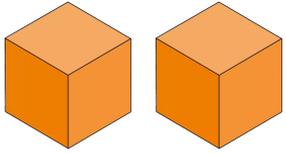


I have 10 cubes.

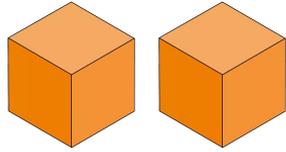
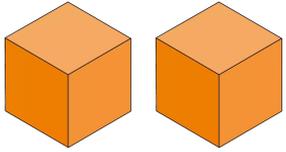
Can you share them into 5 equal groups?



Well done! It should look like this.

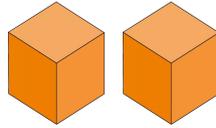
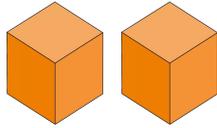
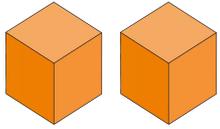


There are ___ cubes.



There are ___ groups.

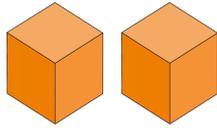
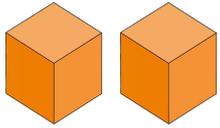
There are ___ cubes in each group.



There are 10 cubes.

There are 5 groups.

There are 2 cubes in each group.



We can then write this as a division sentence.

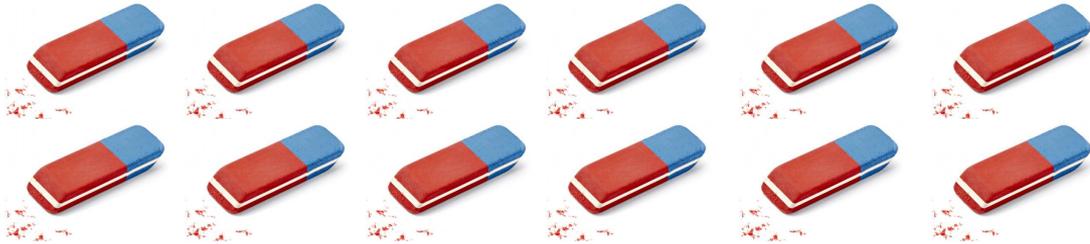
$$10 \div 5 = 2$$

9 flowers are shared equally between 3 vases.
Can you complete the division sentence for this?



$$\underline{\quad} \div \underline{\quad} =$$

Burlington Bear has 12 rubbers.
He shares them between 3 of his friends.
How many does each friend get?



$$\underline{\quad} \div \underline{\quad} =$$



Please now complete the sheet.

Make equal groups – sharing

White
Rose
Maths

- 1 Annie has 12 apples.



She shares them equally into 2 boxes.

Show how Annie shares the apples equally.

Complete the sentences.

There are 12 apples.

There are boxes.

There are apples in each box.

- 2 Take 20 cubes.

- a) Share them into 2 equal groups.

Complete the sentences.

There are 20 cubes.

There are groups.

There are cubes in each group.

- b) Share the cubes into 5 equal groups.

Complete the sentences.

There are 20 cubes.

There are groups.

There are cubes in each group.

- c) You can share 20 into other equal groups.

Is this true?

How do you know?

- 3 Work out the divisions.

Use base 10 to help you.



- a) $40 \div 2$ b) $40 \div 4$ c) $40 \div 5$ d) $40 \div 10$

Did you have to make any exchanges?

- 4 30 flowers are shared equally between 5 vases.

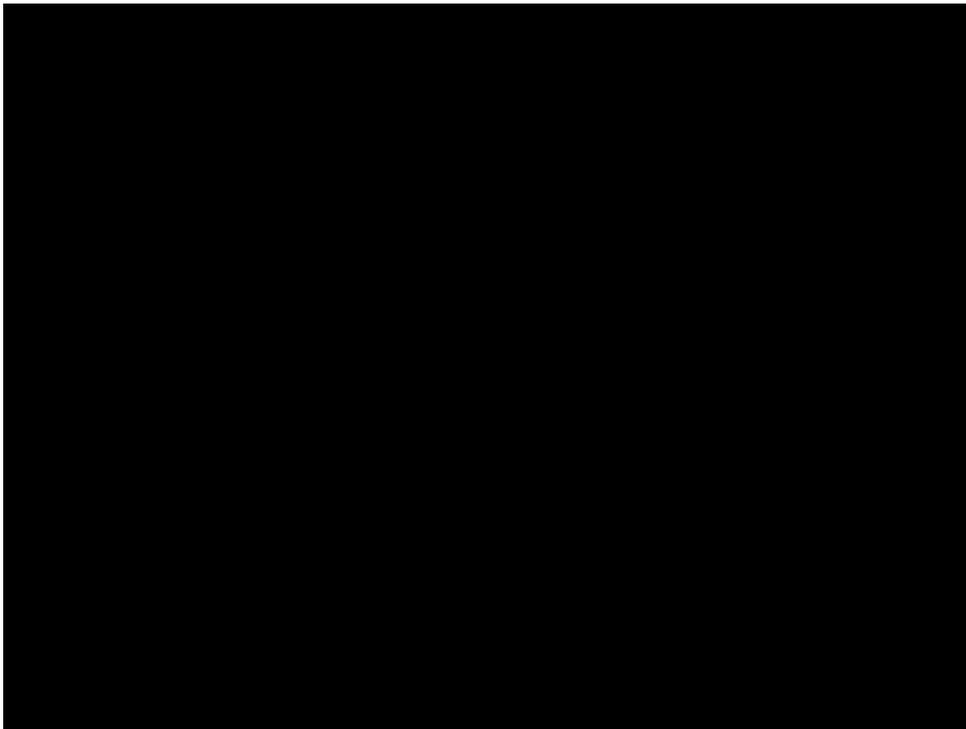


a) Complete the divisions

Day 3 - Grouping

Today we are looking at grouping as a method for division.

Our starter for today is to practise counting in 2s, 3s, 5s and 10s as this helps with grouping. Please encourage your child to use the 100 square to help them if needed.

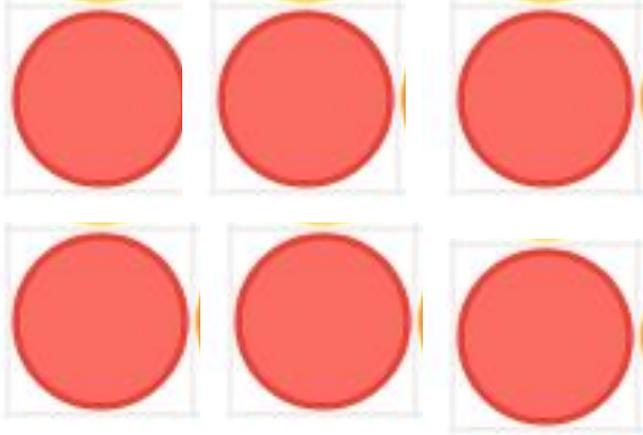


Starter:

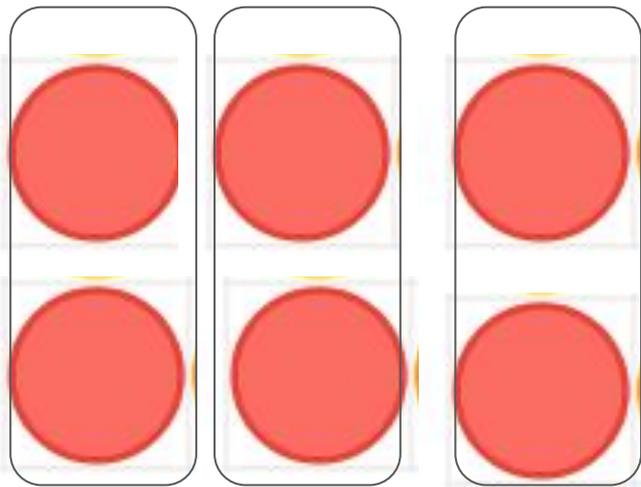
Can you count in 2s, 3s, 5s and 10s?

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

Mrs MacMillan has some counters.
Can you circle groups of 2?



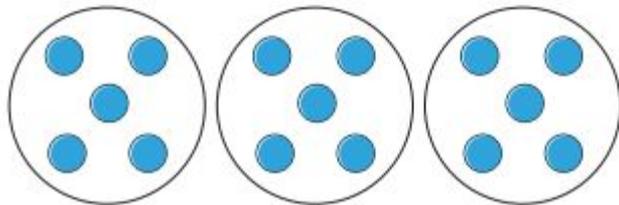
Mrs MacMillan has some counters.
Can you circle groups of 2?



There are ____ counters altogether.

There are ____ equal groups of 2
counters.

a)



There are counters altogether.

There are equal groups of counters.

I have 8 balloons.

I give 2 balloons to each child.

How many children get balloons?



2



2



2



2

How many doughnuts can you see?
Can you put them into groups of 4?
Can you group them in any other way?



Now please complete the sheet.

Make equal groups – grouping

White
Rose
Maths

1 Here are some socks.



a) Draw lines to match the pairs of socks.



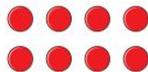
b) Complete the sentences.

There are socks altogether.

There are socks in each pair.

There are pairs of socks.

2 Here are some counters.



a) Circle groups of 2

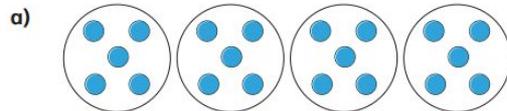


b) Complete the sentences.

There are counters altogether.

There are equal groups of 2 counters.

3 Complete the sentences.



There are counters altogether.

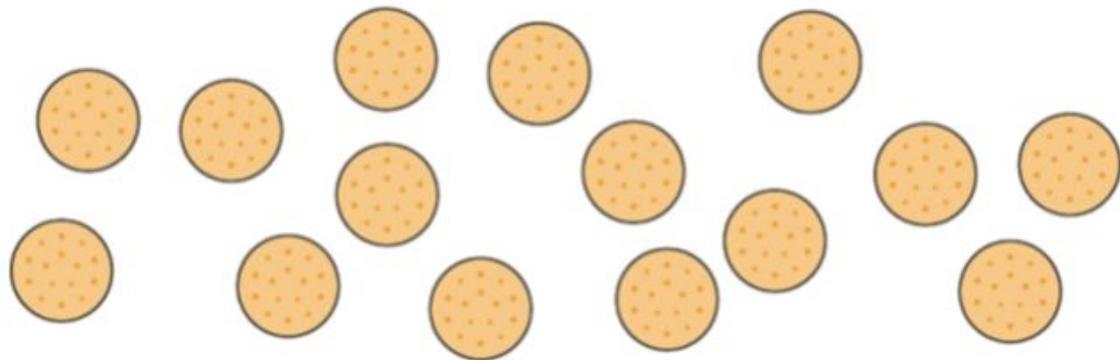
Day 4 - Grouping

In this lesson we are continuing with grouping, now introducing grouping for division.

We will be looking at counting in 5s to help us as well as using an empty number line. Please encourage your child to use whatever working out they are most comfortable with.

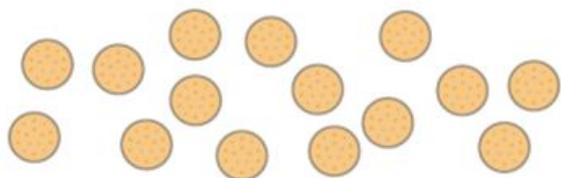


There are _____ biscuits altogether.



I need to put them into packs of 5.
How many packs do I need?

There are 15 biscuits altogether.



I need to put them into packs of 5.
How many packs do I need? **3 packs**

Can you write this as a division problem?

$$\square \div \square = \square$$

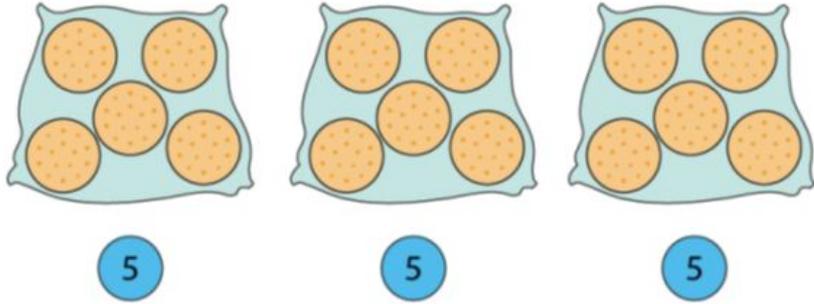
Can you explain what each number represents?

The 15 represents the ____

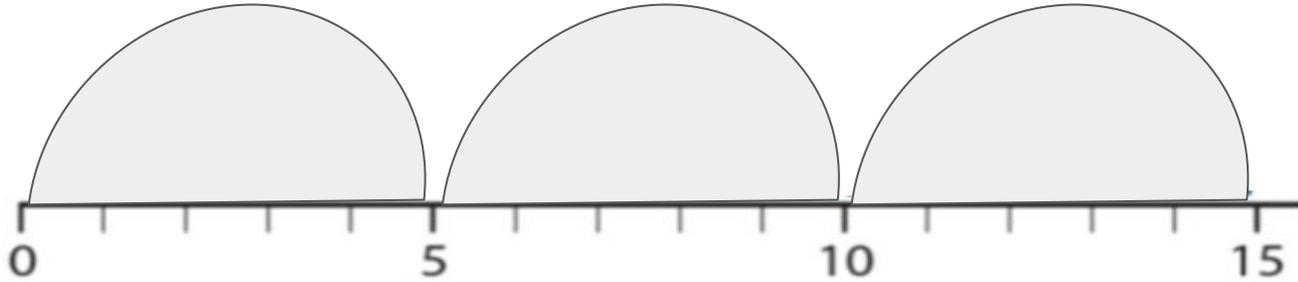
The 5 represents the ____

The 3 represents ____

$$15 \div 5 = 3$$



One 5 is 5.
Two 5s are 10.
Three 5s are 15.



$$5 + 5 + 5 = 15$$

$$15 \div 5 = 3$$

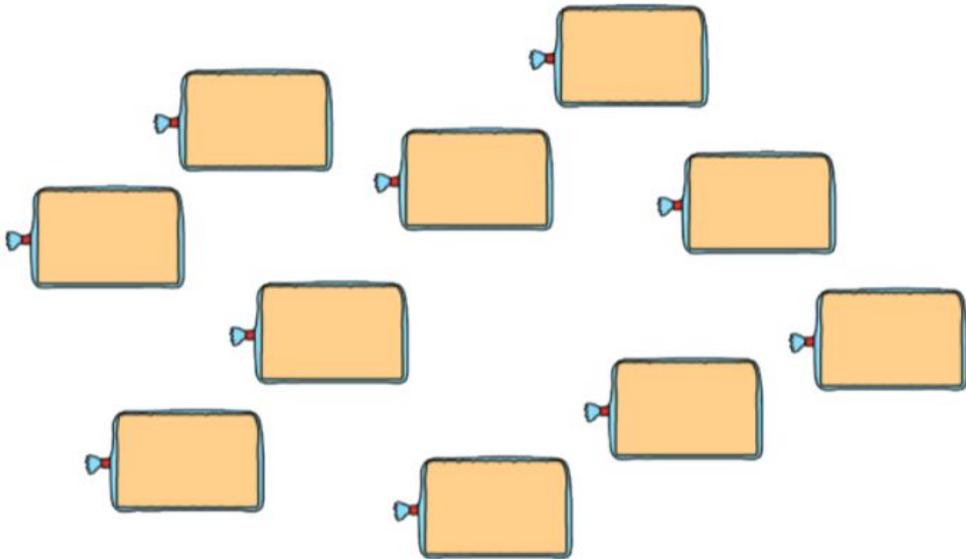
'Fifteen divided into groups of five is equal to three.'

I go to the bakery.

I can fit 5 loaves of bread into each bag.

How many bags will I need?

We are counting in
equal groups of...?

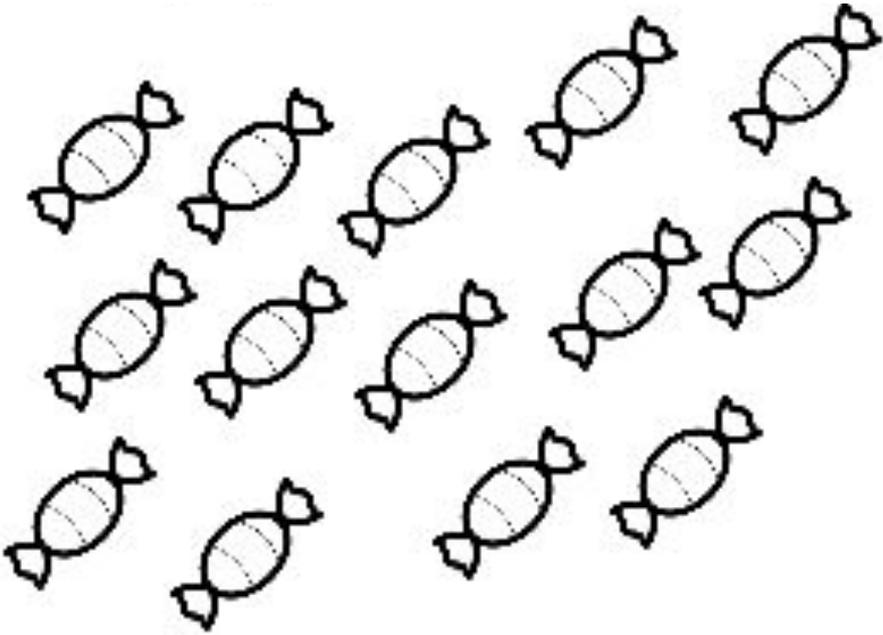


$$\underline{\quad} \div \underline{\quad} =$$

There are 14 sweets.

I need to put 2 in each bag.

How many bags will I have?



$$\underline{\quad} \div \underline{\quad} =$$

Can you solve these division problems now using either grouping or sharing?

$$15 \div 5 =$$

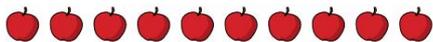
$$20 \div 5 =$$

$$10 \div 2 =$$

$$16 \div 2 =$$

Now please complete the sheet.

- 1 Annie has 10 apples.



Annie has some plates.

She wants to put 2 apples on each plate.

Show how Annie groups the apples.

Complete the sentences.

There are apples.

There are apples on each plate.

There are plates.

- 2 Take 15 counters.



Put the counters into groups of 3

Complete the sentences.

There are 15 counters.

The counters are in groups of

There are groups.



- 3 Mo has 20 chairs.

- a) Circle groups of 5 chairs.



- b) How many groups did you circle?

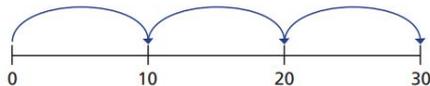
- c) Complete the number sentence.

$$\square \div \square = \square$$

- 4 Complete the number sentences.

Use the number line to help you.

a) $30 \div 10 = \square$



30 is made of equal groups of

