

Wednesday 27th January 2021

L.O: I am getting better at dividing by 10.

Today we will be looking at dividing by 10.

To do this you will need to either group or share to help you divide by 10, but this will depend on the question.

You will begin to think about what you can use to represent the problem.

How does knowing your 10 times table help you to divide by 10?

100 Square									
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

Can you circle or colour in all the multiples of 10 on a hundred square board?

What do you notice about the numbers?

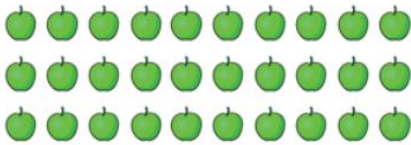
Can you explain the pattern?

How does this help you to divide the numbers?

Example

Apples can be sold in packs of 10.

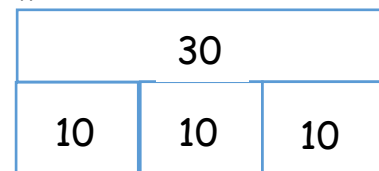
How many packs can be made below?



When 30 apples are sold in packs of 10, 3 packs of apples can be made.

$$30 \div 10 = 3$$

Can you show this in a bar model?



I have 70p in my pocket
made up of 10p coins.

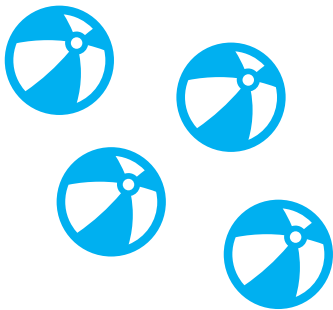
How many coins do I
have?

Can you please draw a
picture to show your
answer?



Can you please draw your
picture and write the
mathematical sentence to
go with it?

Can you share the 30
balls between 10 people?



Please show me how you
have worked out the
answer.

Can you share 80 ten pence pieces equally between 10 people?

Please show me how you have worked out the answer.

Can you share 80 ten pence pieces equally between 10 people?

Please show me how you have worked out the answer.

How would I write this division sentence?

How many equal groups
of 10 can you make
from 90?

Please show me how you
have worked out the
answer.

Can you share 20 cubes
equally between 10
groups?

How many cubes will
you have in each group?

There are _____ cubes
altogether.

There are _____ groups.

There are _____ cubes
in each group.

Can you share 20 cubes
equally between 10
groups?

How many cubes will
you have in each group?

Please show me how you
have worked out the
answer.

Andy has 50 bananas.

He shares them equally
between 10 boxes.

How many bananas are
in each box?

Please show me how you
have worked out the
answer.

Extension

I know that 50 is 5 tens.
I can work out 5×10 by
making 5 groups of 10.

Can I work out 8×10 the
same way?

Please show me how you
have worked out the
answer.

Can you draw a bar
model to represent
 $60 \div 10$?

Please draw your bar
model and solve the
question $60 \div 10$.

$$60 \div 10 = \underline{\hspace{2cm}}$$

Thomas has 10 sweets.

He shares them equally
between his 10 bags.

How many sweets are in
each bag?

Please show me how you
have worked out the
answer.

Can you tell me what
groups the triangles have
been sorted into and how
many equal groups there
are?



Please show me how you
have worked out the
answer.

_____ has been sorted
into _____ equal groups
of _____.