Maths Meeting
Monday

1.2.21

What could go here?

140

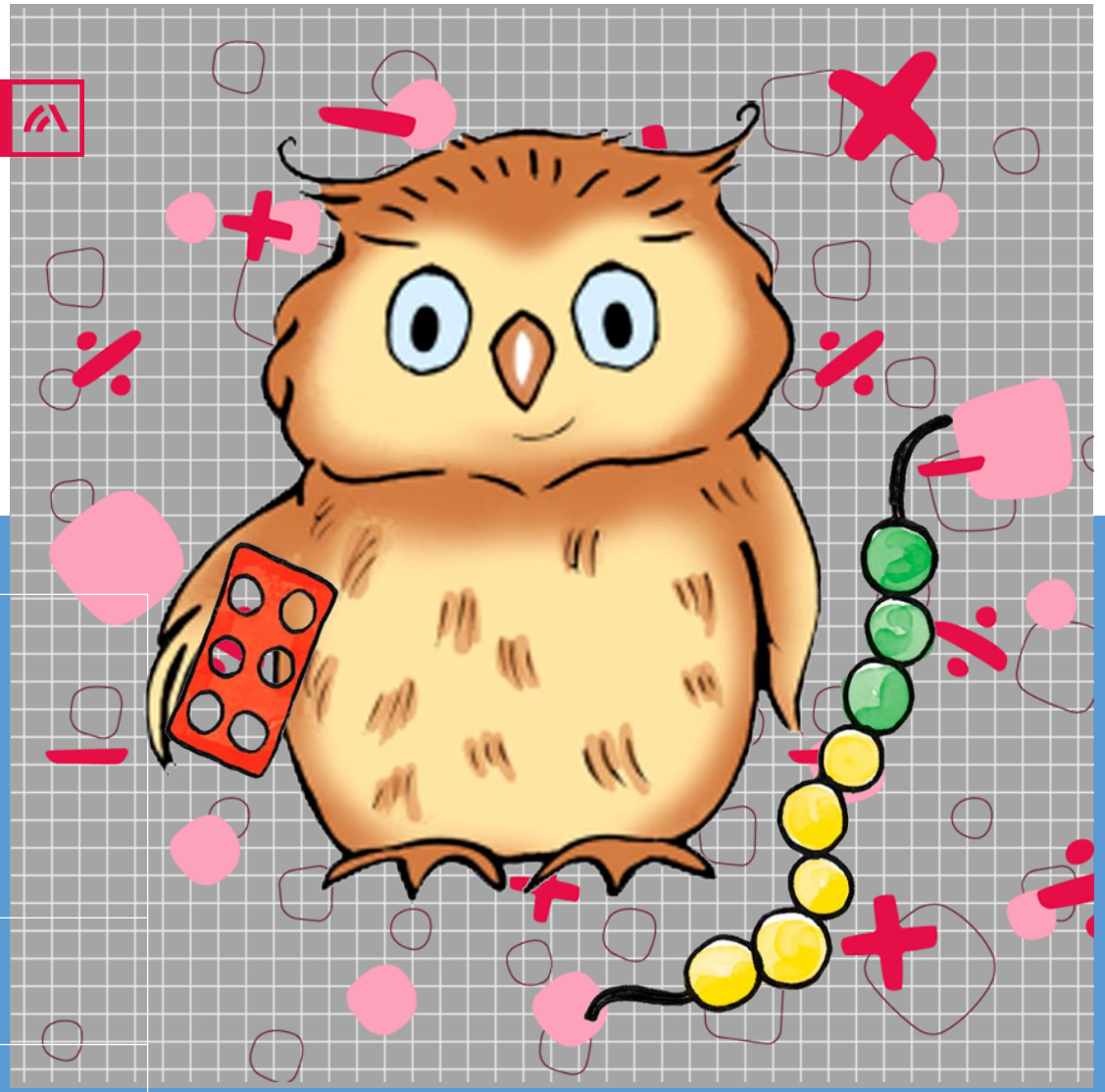
- Ten more…
- Ten less …
- One more …
- One less…
- 100 more
- 100 less

What do you notice?

$$2 \times 100 = 200$$
$$3 \times 100 = 300$$
$$4 \times 100 = 400$$
$$5 \times 100 = 500$$
$$6 \times 100 = 600$$
$$7 \times 100 = 700$$
$$8 \times 100 = 800$$
$$9 \times 100 = 900$$

Ark Curriculum+

Monday 1.2.21



Year 3 Unit 7: Deriving multiplication and division facts

Dividing by ten using place value

Mathematics
Mastery

Review

Complete the calculations using the clues about zero

$21 \times 10 = \_\_0$

$22 \times 10 = \_\_0$

$= 13 \times 10$

$= 14 \times 10$

$= 15 \times 10$

$12 \times 100 =$

$15 \times 100 =$

Key learning: I will know how to divide multiples of ten and 100 by ten

Star Words

ten times less

divide

division

value

ten times fewer

inverse

Connecting multiplying and dividing by ten

If I know this, what else do I know?

$$4 \times 2 = 8$$

2x4=8

40 x 2 = 80

8 ÷4 = 2

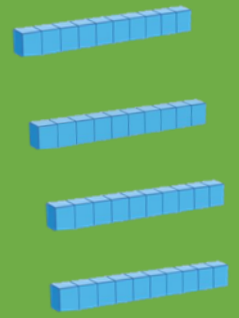
4 x 20 = 80

8 ÷2 = 4

New Learning

$4 \times 1 = 4$

$4 \times 10 = 40$

Hundreds	Tens	Ones
		

When we multiplied by 10, what happened to the value of the number?

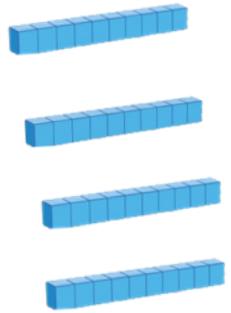
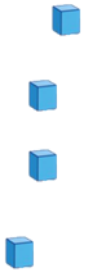
It was ten times greater.

When moving to the left, digits have a value that is ten times greater.

I do

What do you think will happen to this value if we now divide it by 10?

$$40 \div 10 =$$

Hundreds	Tens	Ones
		

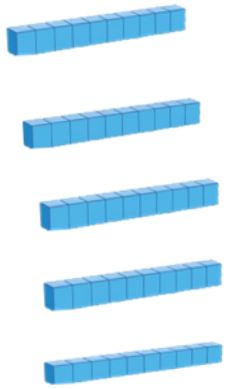
The value will be ten times less.

When moving to the right, digits will have a value that is ten times less.

We do

What do you think will happen to this value if we now divide it by 10?

$$50 \div 10 =$$

Hundreds	Tens	Ones
		

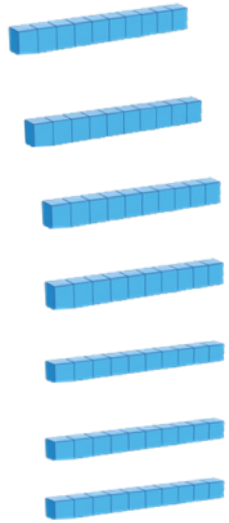
The value will be ten times less.

When moving to the right, digits will have a value that is ten times less.

You do

What do you think will happen to this value if we now divide it by 10?

$$70 \div 10 =$$

Hundreds	Tens	Ones
		

The value will be ten times less.

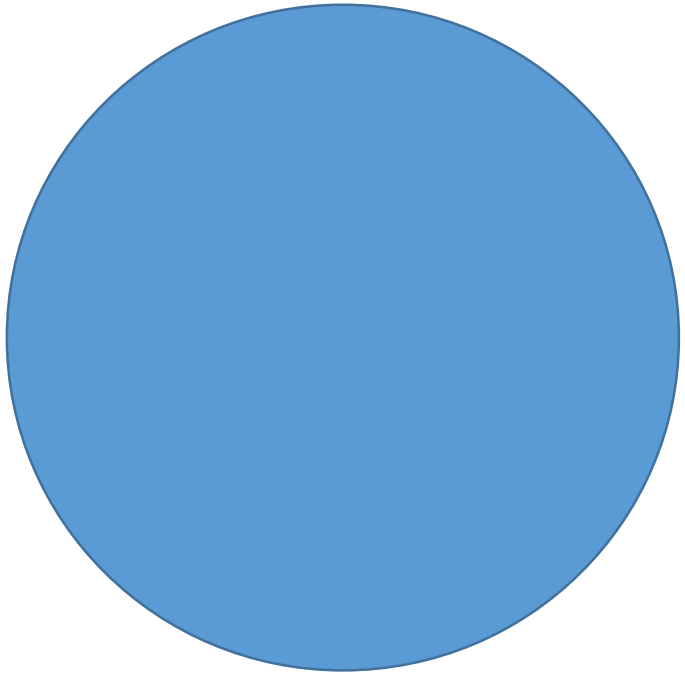
When moving to the right, digits will have a value that is ten times less.

You do

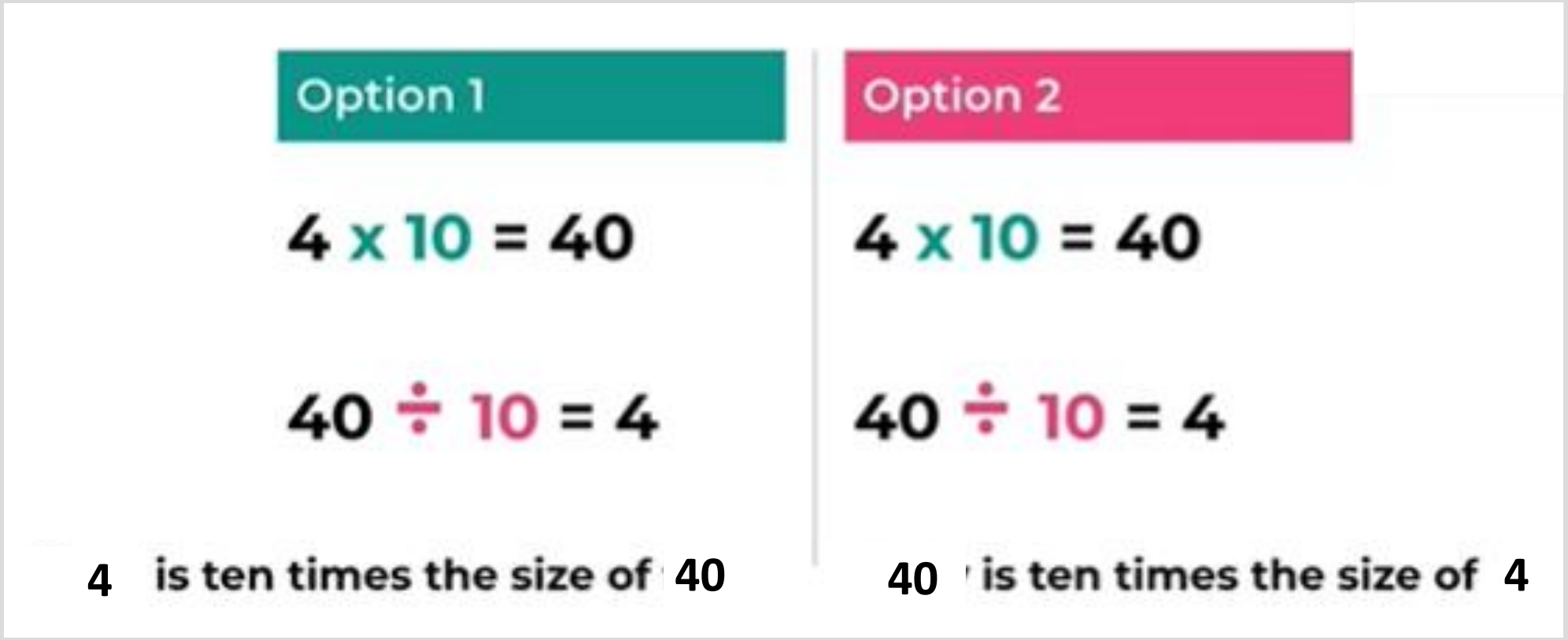
$$80 \div 10 =$$

$$90 \div 10 =$$

$$100 \div 10 =$$



poll

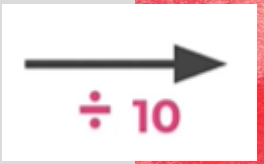

Option 1
4 x 10 = 40
40 ÷ 10 = 4
4 is ten times the size of 40
Option 2
4 x 10 = 40
40 ÷ 10 = 4
40 is ten times the size of 4

Let's check we understand

$$90 \div 10 =$$

If we are to divide, which way do the digits move then?

YES! 1 place to the right.



90 ÷ 10 = ?

Hundreds **100s**	Tens **10s**	Ones **1s**
	9	0

If we were to multiply 90 our digits would move 1 place to the left.

90 ÷ 10 = ?

Hundreds **100s**	Tens **10s**	Ones **1s**
		9

0

Our zero has fallen off the end, but that's ok because our 9 tens has become 9 ones.

Assignment

Go and find your assignment in the general folder.

Choose your chilli.



Click the Editing button so you can type straight onto your task sheet. If you can't write on the assignment sheet you can copy it onto paper and take a photograph of it.