LO: to divide.

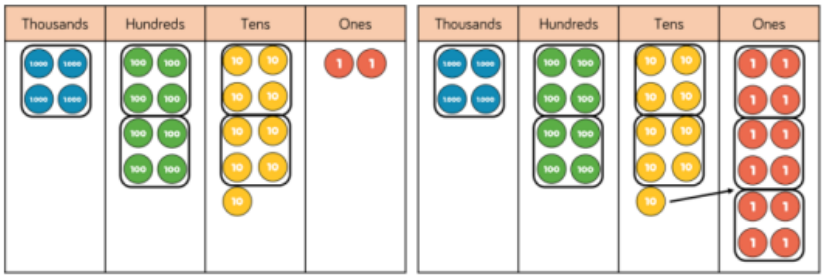
What methods do we have to divide?

Discuss

Let's re-cap Y5 learning.

I do

Here is a method to calculate 4,892 divided by 4 using place value counters and short division.



	1	2	2	3
4	4	8	9	$^{1}2$

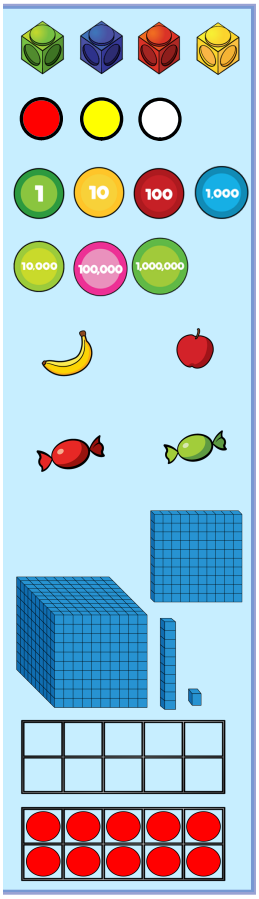
What is happening here? Why?

I do

Can we use the same methods for...

6,610 ÷ 5 2,472 ÷ 3

Place Value Grid

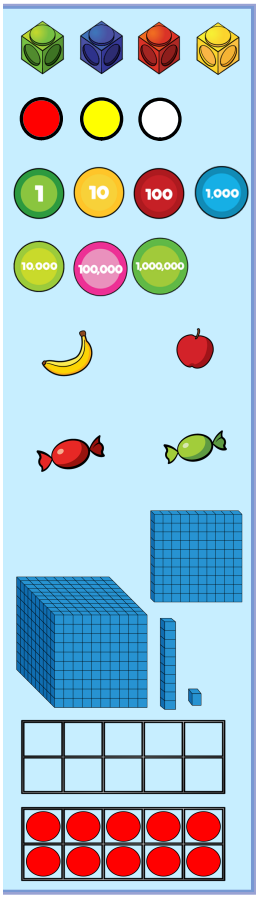


Model method on WB too

$$6{,}610 \div 5$$

Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
			1,000 1,000 1,000 1,000 1,000 1,000	100 100 100 100 100 100	10	

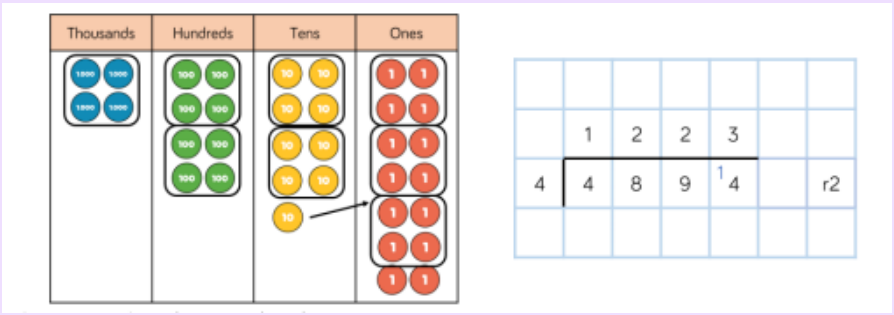
Place Value Grid



Model method on WB too

$2,472 \div 3$

Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
			1,000 1,000	100 100 100 100	10 10 10 10 10 10 10 10 10	1 1



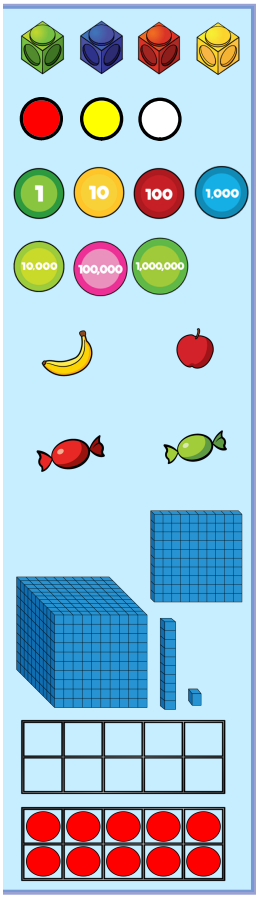
	1	2	2	3		
4	4	8	9	14		r2

I do

What has happened now?

Place Value Grid

$6{,}613 \div 5$



Model method on WB too

Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
			1,000 1,000 1,000 1,000 1,000 1,000	100 100 100 100 100 100	10	1 1 1

we do

2,471 ÷ 3 9,363 ÷ 4

Choose place value counters or draw the bus stop method.

you do

In your books, work out the following...

3,782 ÷ 3 3,965 ÷ 4 8,915 ÷ 7

9432 divide by 7 7484 divide by 6

12.10.20

LO: to divide.

I do

Muffins are packed in trays of 6 in a factory.
In one day, the factory makes 5,623 muffins.
How many trays do they need?
How many trays will be full?
Why are your answers different?



12.10.20

LO: to divide.

Jerry, Anita and Asha won £6,275 playing Bingo and shared their winnings equally between them.



How much did they each get to the nearest pound?

8,915 fans get taxis to a football match.

Taxis seat 4 people.



What is the minimum number of taxis used?

you do

□□□8 ÷ 4

Alfie says...



No matter what the other digits are, there will be no remainder as 8 is divisible by 4.

Explain whether you agree with Alfie or not.