12.1.21

Arithmetic

1. $2^3 + 3^2$
2. $4^2 + 5^2$
3. $7^2 - 6^2$
4. $2^3 + 3^3$
5. $5^3 - 4^3$
6. $6^3 - 5^3$

FB4

Flashback 4 Year 6 | Week 1 | Day 4

1) What is 3.6 × 10?

2) Multiply 13.95 by 10

3) Work out $1\frac{3}{5} + 2\frac{7}{10}$

4) Calculate the sum of 17.4 and 20.3

White Rose Maths

Barvember

BARVEMBER Tuesday 20 November 2018 White Rose Maths

1 Seb has a bag of sweets.
He eats 5 of the sweets.
He has 7 sweets left in the bag.
How many sweets were in the bag at the start?

2 Ali has 46 oranges.
He gives 13 oranges away.
He packs the remaining oranges equally into 3 boxes.
How many oranges are there in each box?

Barvember

BARVEMBER Tuesday 20 November 2018 White Rose Maths

3 Mrs Jones has 5 times as many right-handed scissors as left-handed ones.
Mrs Jones loses half of the pairs of right-handed scissors.
She now has 15 pairs of right-handed scissors.
How many pairs of left-handed scissors did Mrs Jones have at the start?

L

R

4 Millie eats $\frac{1}{5}$ of a pizza.
Jack eats $\frac{1}{8}$ of the remaining pizza.
What fraction of the pizza is left now?

12.1.21 Divide by 10,100 and 1,000

Vocabulary

- tenths
- hundredths
- thousandths
- place value
- column
- multiplication
- division
- divide
- zero

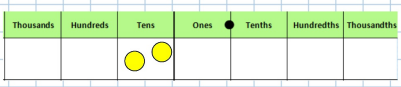
12.1.21 Divide by 10,100 and 1,000

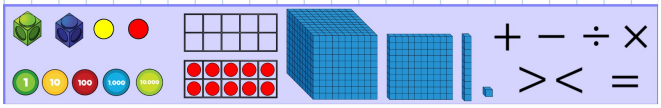
Today we are learning to divide decimal numbers by 10, 100 and 1,000.

I will be successful if:

- I identify the tenths column
- I identify the hundredths column
- I identify the thousandths column
- I recognise 0 when it is used as a place holder.
- I recognise how many places the digits move to the right.

When multiplying by 10, 100 or 1,000, we needed to think about the movement (to the left) of the digits in a number.

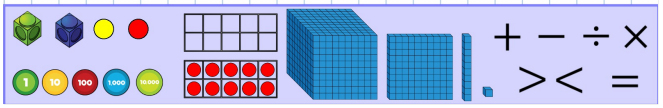




When dividing by 10, 100 or 1,000, we needed to think about the movement of the digits in a number (but not to the left).

What would happen if we divided by 10?

200÷10 = 20

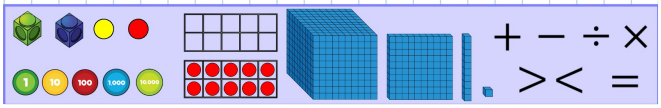


What would happen if we divided by 10?

Thousands	Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths
		● ●				

÷10 How many spaces to the right did the digits move?

Thousands	Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths
			● ●			

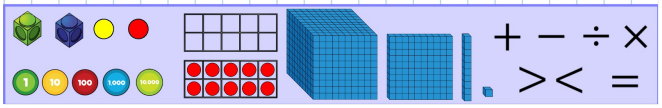


What would happen if we divided this by 10?

Thousands	Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths
			● ● ●			

÷10

Thousands	Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths
			●		● ●	

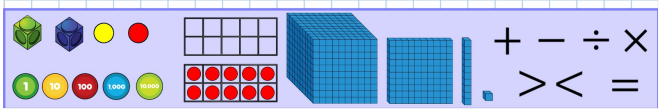


What would happen if we divided this by 100?

Thousands	Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths
		● ●	●			

÷100

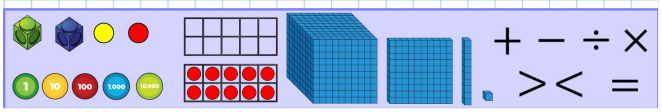
Thousands	Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths
				● ●	●	

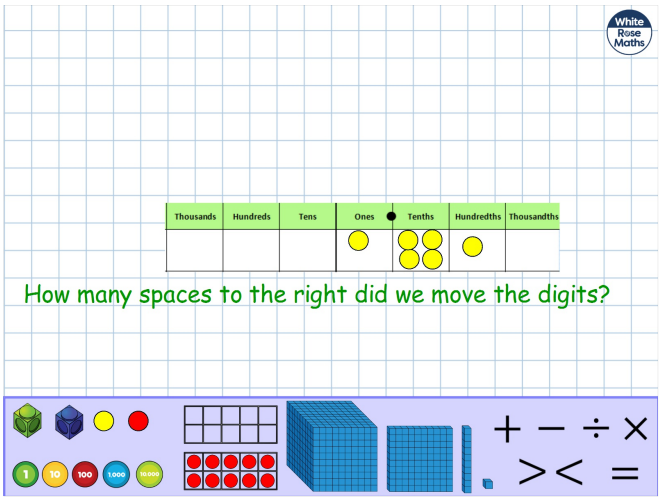


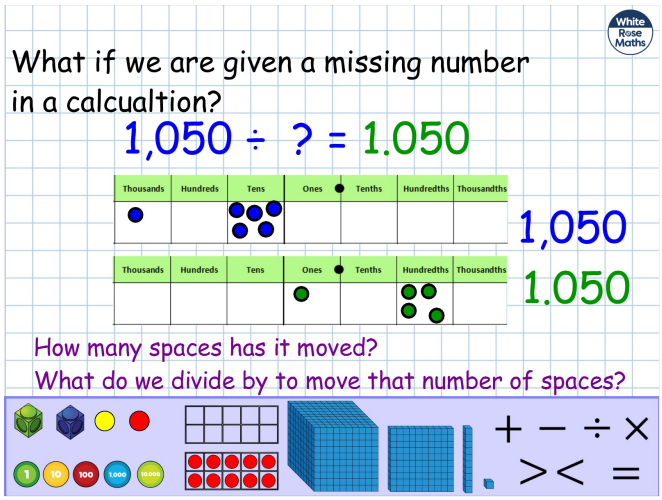
What would happen if we divided this by 1,000?

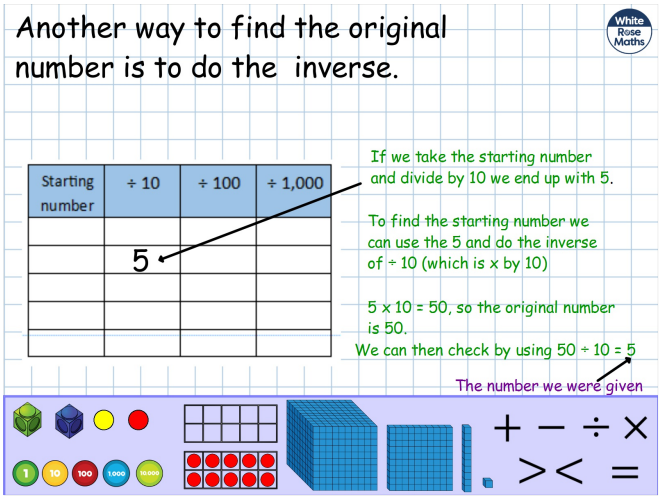
Thousands	Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths
●	● ●	●				

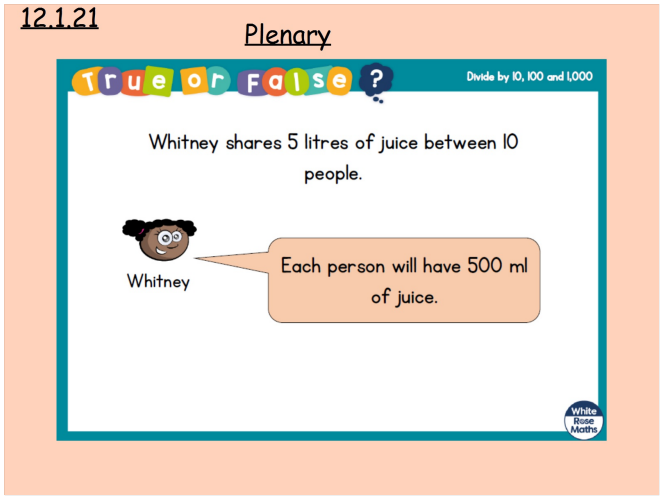
How many spaces to the right would we move the digits?




Thousands
Hundreds
Tens
Ones
Tenths
Hundredths
Thousandths
How many spaces to the right did we move the digits?
+ − ÷ ×
>< =


What if we are given a missing number in a calcualtion?
1,050 ÷ ? = 1.050
Thousands
Hundreds
Tens
Ones
Tenths
Hundredths
Thousandths
1,050
1.050
How many spaces has it moved?
What do we divide by to move that number of spaces?
+ − ÷ ×
>< =


Another way to find the original number is to do the inverse.
Starting number
÷ 10
÷ 100
÷ 1,000
5
If we take the starting number and divide by 10 we end up with 5.
To find the starting number we can use the 5 and do the inverse of ÷ 10 (which is x by 10)
5 x 10 = 50, so the original number is 50.
We can then check by using 50 ÷ 10 = 5
The number we were given
+ − ÷ ×
>< =


12.1.21
Plenary
True or False?
Divide by 10, 100 and 1,000
Whitney shares 5 litres of juice between 10 people.
Whitney
Each person will have 500 ml of juice.