



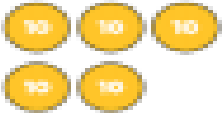







WEDNESDAY
17.6.20

I CAN ADD AND SUBTRACT FROM INCREASINGLY LARGE NUMBERS
(Using reasoning)

Starter:

Ron uses place value counters to calculate $4,356 + 2,435$

Th	H	T	O
			
			

	Th	H	T	O
	4	3	5	6
+	2	4	3	5
	6	7	9	1

Use Ron's method to calculate:

	3	2	4	6	1
+		4	3	5	2

	4	8	2	7	6
+		5	6	1	3

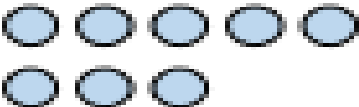
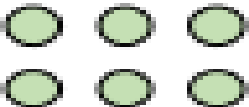

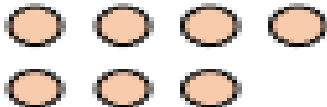
Will you have to exchange? How do you know which columns will be affected?

Does it matter that the two numbers don't have the same amount of digits?

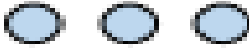



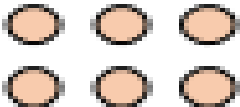
TASK A

Varied Fluency 1

Use the place value counters to add the numbers below.

10,000s	1,000s	100s	10s	1s
				

+

10,000s	1,000s	100s	10s	1s
				

TASK B

Sort these mathematical statements into the table shown below.

Numbers have to be added in size order (e.g. largest to smallest).

You should always add the ones column first.

Line up all digits in place value columns neatly.

Don't forget to add any amounts that you have exchanged.

If you swap the digits around when you exchange, it makes no difference.

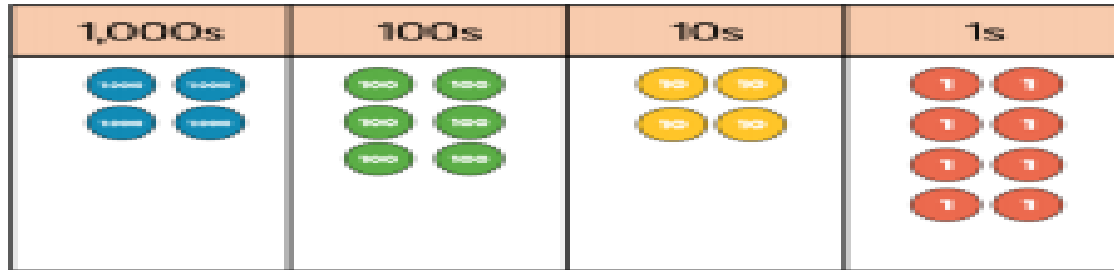
The sum is always the greatest number.

Applies to addition	Doesn't apply to addition

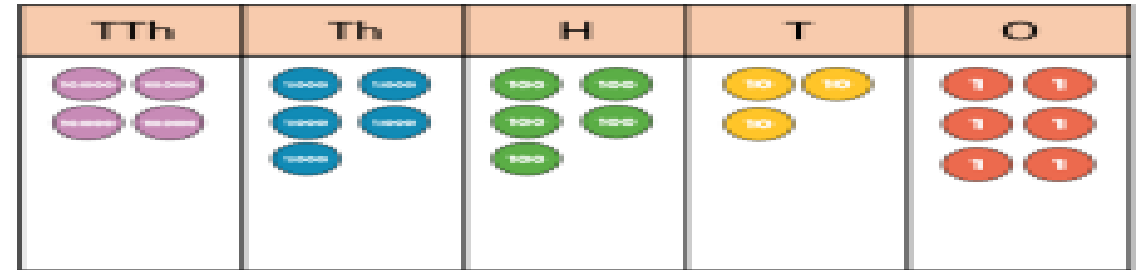
TASK C

Calculate:

$$4,648 - 2,347$$



$$45,536 - 8,426$$



Represent each problem as a bar model, and solve them.

A plane is flying at 29,456 feet.

During the flight the plane descends 8,896 feet.

What height is the plane now flying at?

Tommy earns £37,506 pounds a year.

Dora earns £22,819 a year.

How much more money does Tommy earn than Dora?

There are 83,065 fans at a football match.

45,927 fans are male. How many fans are female?

Challenge: this is optional

Rosie completes this subtraction incorrectly.

$$\begin{array}{r} 28701 \\ - 7621 \\ \hline 21180 \end{array}$$

Explain the mistake to Rosie and correct it for her.

Please show your working out.