Templars Primary School Knowledge Organiser — Year 3 Place Value

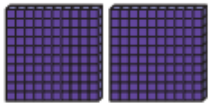
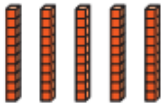
Key Vocabulary

- Multiples
- More/less than
- Partition
- Hundreds
- Tens
- Units
- Identify
- Represent
- Estimate
- Compare
- Order
- Numerals

3 Digit Numbers

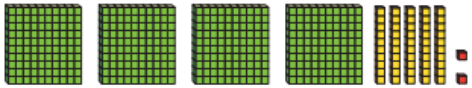
A **3 digit** number is made out of **hundreds**, **tens** and **ones.**
We can **partition** 3-digit numbers to see the value of each digit.

256

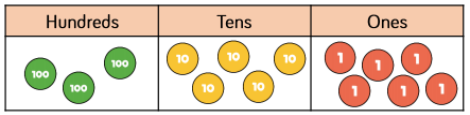
two hundred	fifty	six
		
200	50	6

Numbers to 1000 / 100s, 10s and 1s

4 hundreds + 3 tens + 1 one
400 + 30 + 1 = 431



4 hundreds + 5 tens + 2 ones
400 + 50 + 2 = 452

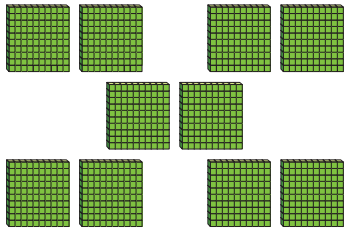


3 hundreds + 5 tens + 6 ones
300 + 50 + 6 = 356

If one more 10 was added the number would be 366

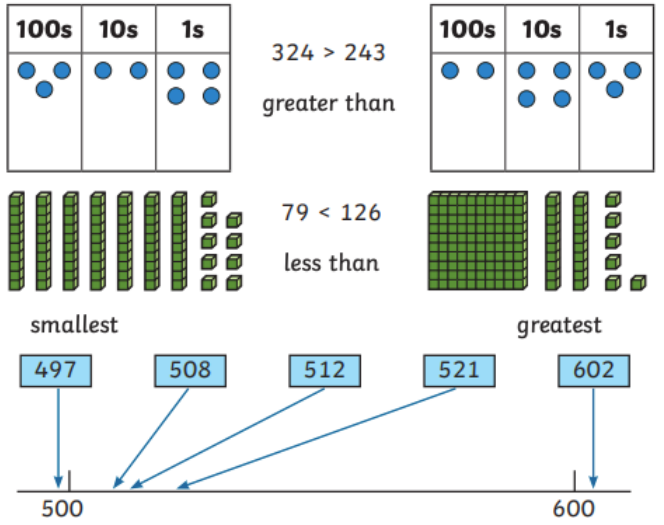
Hundreds

There are **600** balloons.
There are **six hundred** balloons.



There are ten hundreds.
Ten hundreds = One thousand

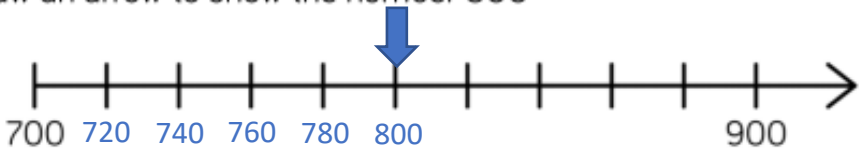
Compare and order numbers to 1000



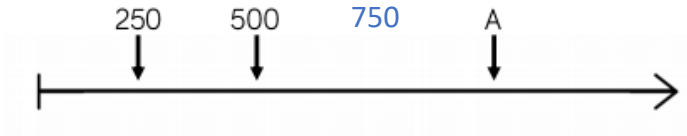
Number line to 1000

When representing numbers on a number line, we need to work out the scale that the number line is going up in.

Draw an arrow to show the number 800

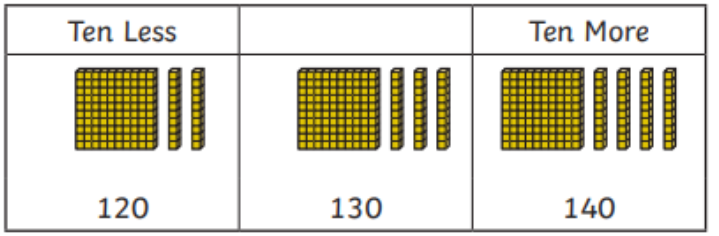


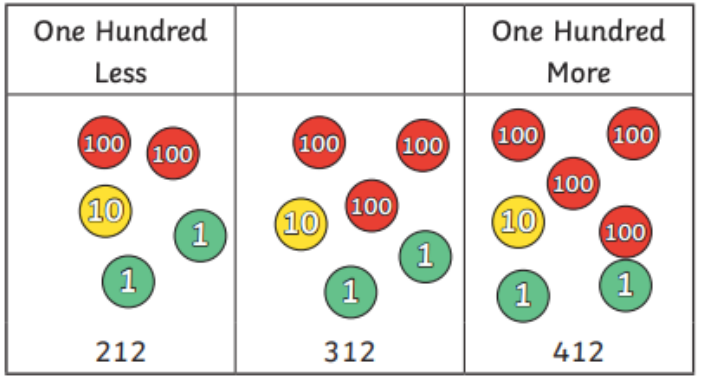
Estimate the value of A.



Using the distance between 250 and 500 to help me, I estimate that half-way between 500 and A is 750. Counting in steps of 250 I estimate A to have the value of 1000

1, 10, 100 More or Less





Count in multiples

Counting in 50s

0	50	100	150	200	250	300	350	400	450	500

Counting in 100s

0	100	200	300	400	500	600	700	800	900	1000

Counting in 50s is similar to counting in 5s but each number is 10 times bigger

Counting in 4s

0	4	8	12	16	20	24	28	32	36	40

Counting in 8s

0	8	16	24	32	40	48	56	64	72	80