




# Place value knowledge organiser

Maths

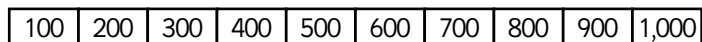
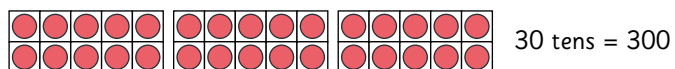
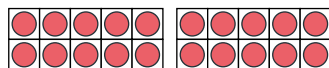
## Hundreds

 There are 100 ones in a hundred.







 There are 10 tens in a hundred.

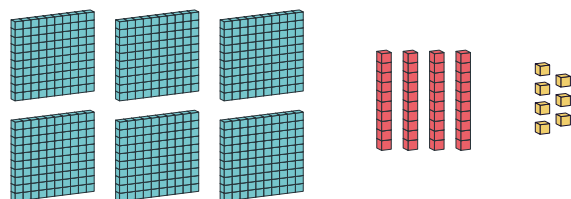
 There are 10 hundreds in a thousand.

20 tens = 200



## Represent 3-digit numbers

Hundreds	Tens	Ones
		
		

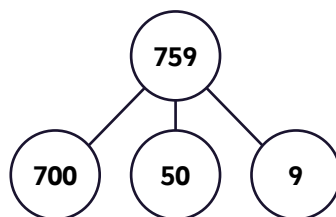


There are 6 hundreds, 4 tens and 7 ones.

The number is 647 or six hundred and forty-seven.

## Partition numbers

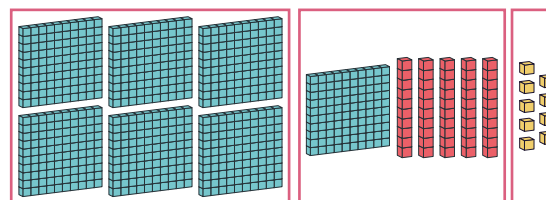
3-digit numbers can be partitioned into hundreds, tens and ones.



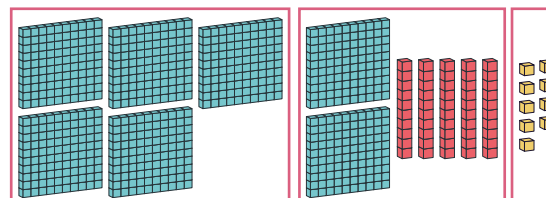
759 is equal to 7 hundreds, 5 tens and 9 ones.

$$759 = 700 + 50 + 9$$

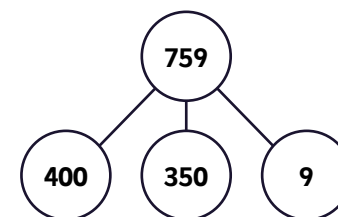
3-digit numbers can also be flexibly partitioned in many different ways.



$$759 = 600 + 150 + 9$$



$$759 = 500 + 250 + 9$$



## 1, 10 or 100 more or less



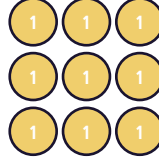
When finding 1, 10, 100 or 1,000 more or less than a number you can add or remove 1 place value counter in the correct column.

**Less**

1 less is **218**

10 less is **209**

100 less is **119**

Hundreds	Tens	Ones
		

**More**

1 more is **220**

10 more is **229**

100 more is **319**

When there is 1 counter in the place value column and you are finding 1 less, you will need to use 0 as a place value holder.

When there are 9 counters in the place value column and you are finding 1 more, you will need to use 0 as a place value holder and add 1 more counter to the next column.



