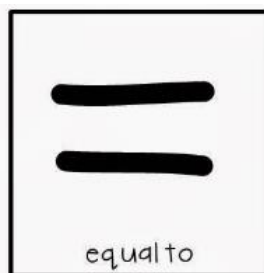
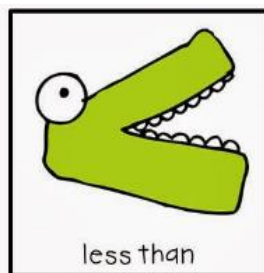
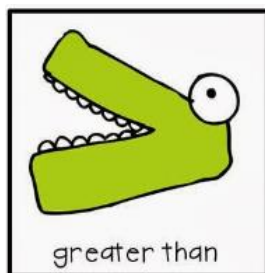


Learning Objectives

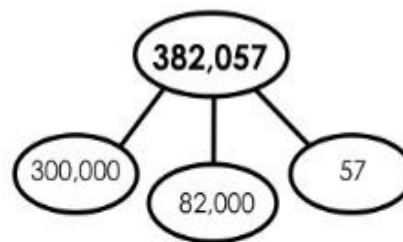
- ❖ To be able to read and write numbers up to 10,000,000
- ❖ To know the value of each digit in numbers up to 10,000,000
- ❖ To order numbers up to 10,000,000
- ❖ To compare numbers up to 10,000,000
- ❖ To be able to round any whole number
- ❖ To use negative numbers in context
- ❖ To calculate intervals across zero
- ❖ To be able to solve numbers and practical problems

M	HTH	TTH	TH	H	T	O

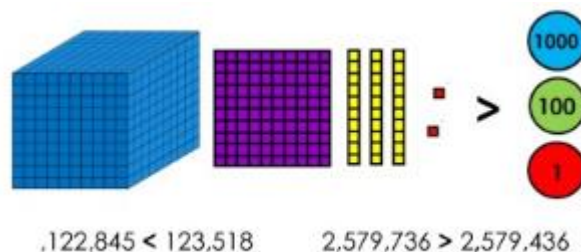
Order and Compare



smallest 81 782 127 352 127 835 137 019 200 002 greatest



4,812,300	
4,000,000	812,300



Negative Numbers

If you count backwards from zero, you reach negative numbers.

Positive numbers are any numbers **more than** zero e.g. 1, 2, 3, 4, 5.

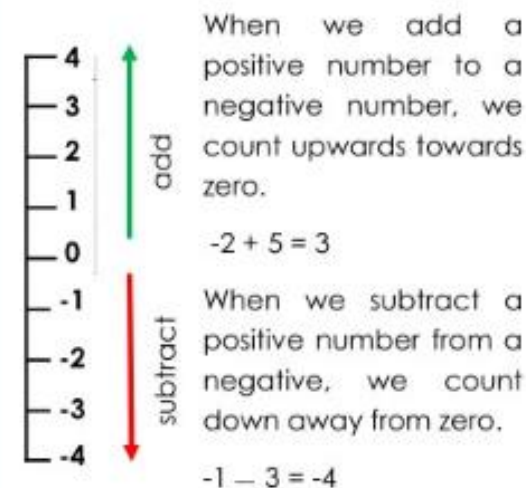
Negative numbers are any numbers **less than** zero e.g. -1, -2, -3, -4, -5.



Negative numbers Positive numbers

The number line shows that -5 is smaller than -1.

Negative numbers are often shown vertically such as on thermometers.



Key Vocabulary

ten million
millions
thousands
hundreds
tens
ones
zero
place value
greater than
less than
order
round
rounded
negative number
partition
digit
interval
sequence
linear sequence

Rounding

When rounding, you first need to identify which digit will tell you whether to round up or down.

- To round a number to the **nearest 10**, you should look at the ones digit.
- To round a number to the **nearest 100**, you should look at the tens digit.
- To round a number to the **nearest 1000**, you should look at the hundreds digit.
- To round a number to the **nearest 10,000**, you should look at the thousands digit.
- To round a number to the **nearest 100,000**, you should look at the ten thousands digit.
- To round a number to the **nearest 1,000,000**, you should look at the hundred thousands digit.

What I Should Already Know:

- Numbers up to 1,000,000
- The value of digits up to 1,000,000
- How to count forwards and backwards in steps of 10
- How to interpret negative numbers in context
- How to count forwards and backwards through zero
- How to round numbers to the nearest 10, 100, 1000, 10 000 and 100 000
- How to read Roman Numerals to 1000 (M)

Numbers to Ten Million

3 926 471

Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
3	9	2	6	4	7	1

three million, nine hundred and twenty-six thousand, four hundred and seventy-one

3 926 471
3 926 000 471

