

Learning Objectives

- ❖ To be able to read and write numbers up to 1,000,000
- ❖ To know the value of each digit in numbers up to 1,000,000
- ❖ To order numbers up to 1,000,000
- ❖ To compare numbers up to 1,000,000
- ❖ To count forwards or backwards in steps of 10
- ❖ To interpret negative numbers in context
- ❖ To count forwards and backwards with positive and negative numbers
- ❖ To be able to count through zero
- ❖ To be able to solve number and practical problems
- ❖ To be able to read Roman Numerals to 1000 (M)
- ❖ To recognise years written in Roman Numerals

Rounding

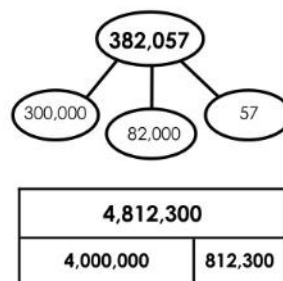
Rounding to the nearest 10



Rounding to the nearest 1000



Rounding to the nearest 100 000



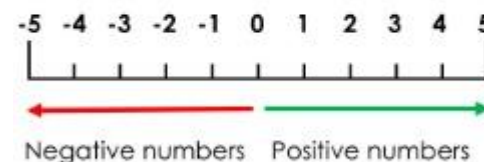
M	HTH	TTH	TH	H	T	O

Negative Numbers

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

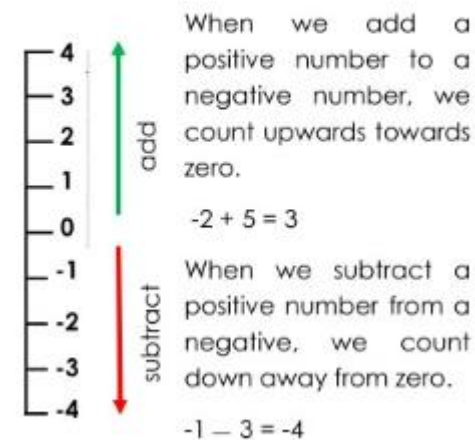
Positive numbers are any numbers **more than** zero e.g. 1, 2, 3, 4, 5.

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



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

Negative numbers are often shown vertically such as on thermometers.



Roman Numerals

I = 1	XXX = 30	C = 100
II = 2	XL = 40	D = 500
III = 3	L = 50	M = 1000
IV = 4	LX = 60	
V = 5	LXX = 70	MMXVIII = 2018
X = 10	LXXX = 80	
XX = 20	XC = 90	

Key Vocabulary

ten million

millions

thousands

hundreds

tens

ones

zero

place value

greater than

less than

order

round

rounded

negative number

partition

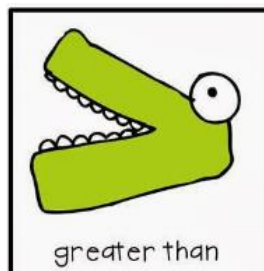
digit

interval

sequence

linear sequence

Order and Compare



greater than

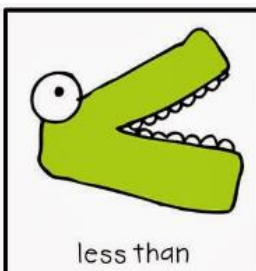
$$23\,873 > 8256$$

The number on the left has 2
ten thousands and the number on the
right has 0 ten thousands.

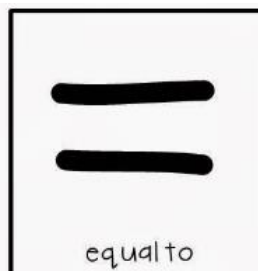
less than

$$901\,198 < 1\,091\,098$$

The number on the right has 1
million and the number on
the left has 0 millions.



less than



equal to

equals

$$26 + 38 = 8 \times 8$$

Both calculations have
the value 64.

What I Should Already Know:

- How to count in multiples of 6, 7, 9, 25 and 1000
- How to find 1000 more or less than
- How to count backwards through zero to include negative numbers
- How to recognise the place value of digits in a four-digit number
- How to identify and represent numbers using different representations
- How to estimate numbers using different representations
- How to round any number to the nearest 10, 100 or 1000
- How to solve number and practical problems
- Roman Numerals to 100 (I to C)

Numbers to One Million

926 471

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

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

