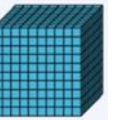# NUMBER and PLACE VALUE

KNOWLEDGE ORGANISER

Overview

Number and Place Value we learn:

- Round to the nearest 10/ 100
- Negative Numbers
- 1000s, 100s, 10s, and 1s
- Count in 1000s
- Count in 25s
- Partitioning
- Number Line to 10,000
- Roman Numerals
- 1,000 more or less
- Compare/order numbers

Number and Place Value is useful learning because it is the foundation for all other maths. It helps us to understand the value of digits of numbers and to use mental calculation methods. It helps us to use maths functionally in many areas of our lives.

Count in 6s, 7s, 9s, 25s and 100s

Counting in 6s

| 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 |

Counting in 7s

| 7 | 14 | 21 | 28 | 35 | 42 | 49 | 56 | 63 | 70 |

Counting in 9s

| 9 | 18 | 27 | 36 | 45 | 54 | 63 | 72 | 81 | 90 |

Counting in 25s

+50   +50   +50   +50

+25 +25 +25 +25 +25 +25 +25 +25

0   25   50   75   100   125   150   175   200

Counting in 100s

0 10 20 30 40 50 60 70 80 90 100

Comparing and Ordering/ 1000 More and 1000 Less

Comparing and Ordering Numbers

| > Greater than | < Less than | = Equal to |

1172 > 1000 100 70 2

8311 < 8000 300 10 1

1214 = 1000 200 10 4
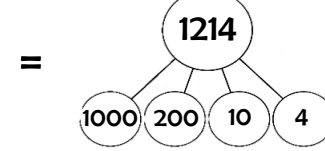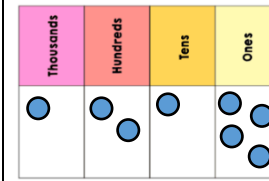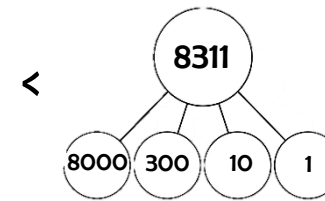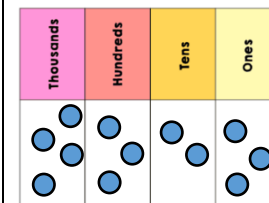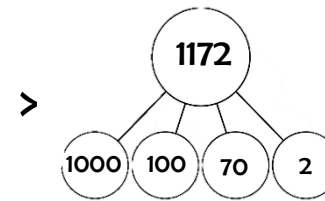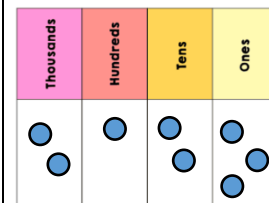
1,000 More and 1,000 Less

1,000 less	number	1,000 more
3510		5510
417		2417
2082		4082
7004		9004

Roman Numerals/ Rounding

Roman Numerals

1 =	I	40 =	XL
2 =	II	50 =	L
3 =	III	60 =	LX
4 =	IV	70 =	LXX
5 =	V	80 =	LXXX
6 =	VI	90 =	XC
7 =	VII	100 =	C

Rounding

18,765 rounds up to 19,000

34,344 rounds down to 34,000

Look at the digit to the right of the digit that you are rounding to.

-If the digit is 4 or less, round down.

-If the digit is 5 or more, round up.

Key Vocabulary

| Number | Digit | Least | Place Value | Greater Than | Less Than | More | Less | Partitioning | Order | Zero |