NUMBER and PLACE VALUE

Year 3

KNOWLEDGE ORGANISER

Overview

Number and Place Value we learn:

-Represent Numbers to 1,000 -Hundreds

-100s, 10s, and 1s -Compare Objects/Numbers to 1,000

-Find 1, 10, 100 More/Less -Number Line to 1,000

-Order Numbers -Count in 50s

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 4s, 8s, 50s and 100s

Counting in 4s

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40

Counting in 8s

0 8 16 24 32 40 48 56 64 72 80 88 96 104 112 120 128 136 144 152 160

Counting in 50s

50	100	150	200	250	300	350	400	450	500

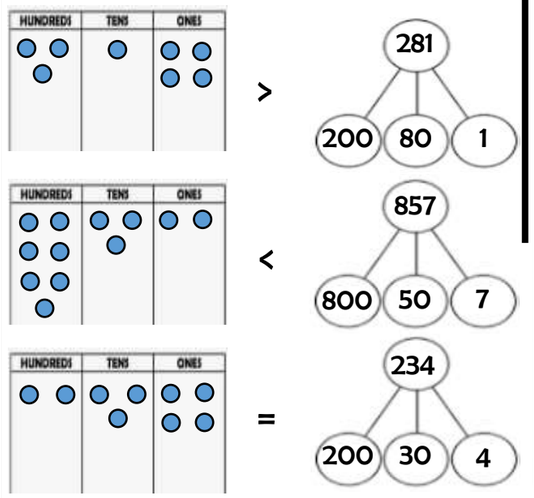
Counting in 100s

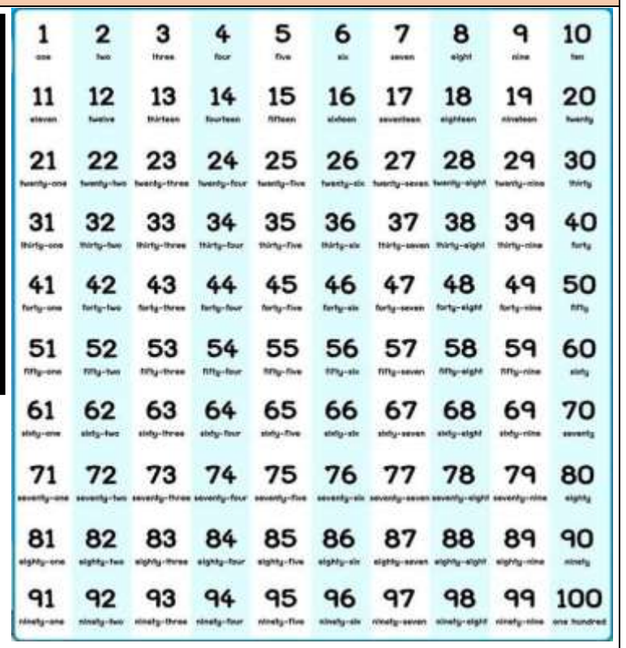
100	200	300	400	500	600	700	800	900	1000

Comparing and Ordering/ Numerals and Words to 1000

Comparing and Ordering Numbers

> Greater than < Less than = Equal to

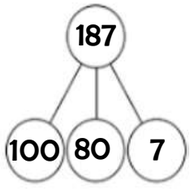




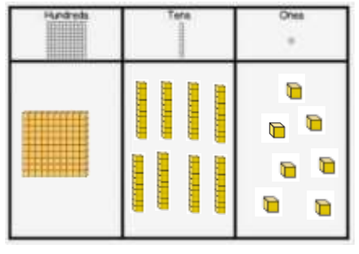
Represent Numbers to 1000

Partitioning means that we split numbers into smaller parts to make them easier to work with. An example is 187 = 100 + 80 + 7.

187

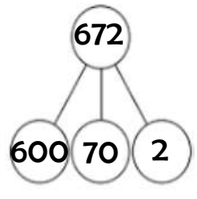


One hundred, eight tens, seven ones

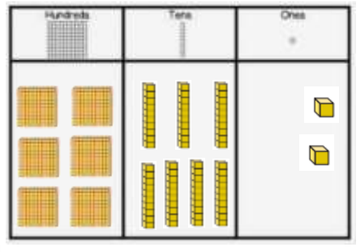


100 + 80 + 7

672



Six hundreds, seven tens, two ones



600 + 70 + 2

Key Vocabulary

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