NUMBER and PLACE VALUE (to 100)

Year 1

KNOWLEDGE ORGANISER

Overview

Number and Place Value we learn to:

-Counting Forwards and Backwards within 100

-Partitioning Numbers

-Comparing Numbers -Ordering Numbers

-One More/ One Less

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.

Numbers to 50/ Counting On and Back

Numbers to 100 (numerals and words)

1 one	2 two	3 three	4 four	5 five	6 six	7 seven	8 eight	9 nine	10 ten
11 eleven	12 twelve	13 thirteen	14 fourteen	15 fifteen	16 sixteen	17 seventeen	18 eighteen	19 nineteen	20 twenty
21 twenty-one	22 twenty-two	23 twenty-three	24 twenty-four	25 twenty-five	26 twenty-six	27 twenty-seven	28 twenty-eight	29 twenty-nine	30 thirty
31 thirty-one	32 thirty-two	33 thirty-three	34 thirty-four	35 thirty-five	36 thirty-six	37 thirty-seven	38 thirty-eight	39 thirty-nine	40 forty
41 forty-one	42 forty-two	43 forty-three	44 forty-four	45 forty-five	46 forty-six	47 forty-seven	48 forty-eight	49 forty-nine	50 fifty
51 fifty-one	52 fifty-two	53 fifty-three	54 fifty-four	55 fifty-five	56 fifty-six	57 fifty-seven	58 fifty-eight	59 fifty-nine	60 sixty
61 sixty-one	62 sixty-two	63 sixty-three	64 sixty-four	65 sixty-five	66 sixty-six	67 sixty-seven	68 sixty-eight	69 sixty-nine	70 seventy
71 seventy-one	72 seventy-two	73 seventy-three	74 seventy-four	75 seventy-five	76 seventy-six	77 seventy-seven	78 seventy-eight	79 seventy-nine	80 eighty
81 eighty-one	82 eighty-two	83 eighty-three	84 eighty-four	85 eighty-five	86 eighty-six	87 eighty-seven	88 eighty-eight	89 eighty-nine	90 ninety
91 ninety-one	92 ninety-two	93 ninety-three	94 ninety-four	95 ninety-five	96 ninety-six	97 ninety-seven	98 ninety-eight	99 ninety-nine	100 one hundred

Counting On and Back

One more than 57 is 58.

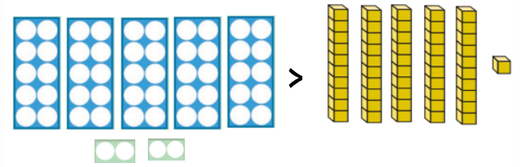
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

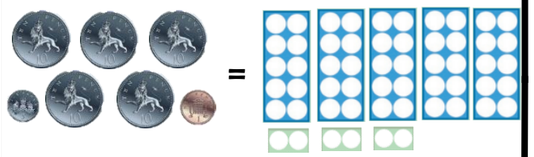
One less than 99 is 98.

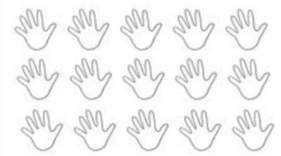
Comparing and Ordering Numbers

Comparing Numbers

> Greater than < Less than = Equal to







< Eighty-four

Ordering Numbers

Smallest to Greatest...

54, 59, 64, 73, 88

58, 63, 88, 89, 92

Greatest to Smallest...

88, 73, 64, 59, 54

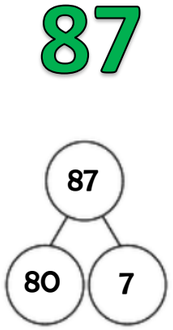
92, 89, 88, 63, 58

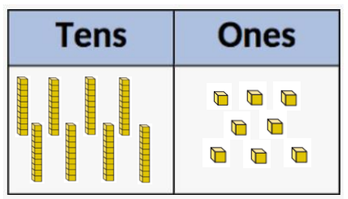
TOP TIP! When ordering numbers, look from left to right (compare the tens column and then the ones).

Partitioning and Representations

Partitioning means that we split numbers into smaller parts to make them easier to work with. An example is 87 = 80 + 7.

87





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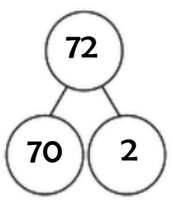

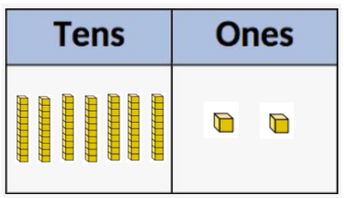

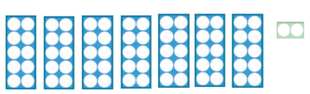

Key Vocabulary

Number Digit Least Smallest Greatest Ones Tens Hundreds Partitioning Smallest Greatest