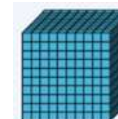


NUMBER and PLACE VALUE (to 100)

KNOWLEDGE ORGANISER

Year 1



Overview



Number and Place Value we learn to:

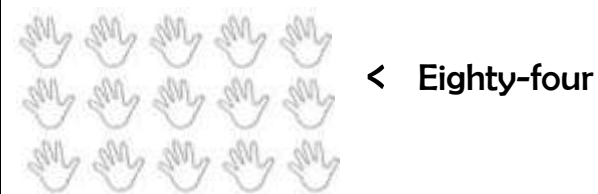
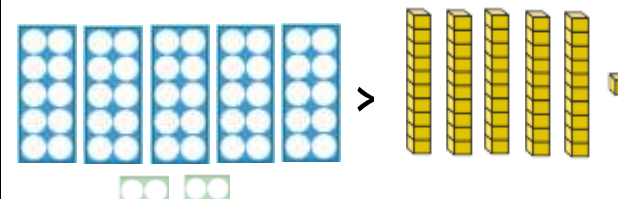
- Counting Forwards and Backwards within 100
- Partitioning Numbers
- Comparing Numbers
- Ordering Numbers
- One More/ One Less

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.

Comparing and Ordering Numbers

Comparing Numbers

> Greater than < Less than = Equal to



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).

Numbers to 50/ Counting On and Back

Numbers to 100 (numerals and words)

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

Counting On and Back

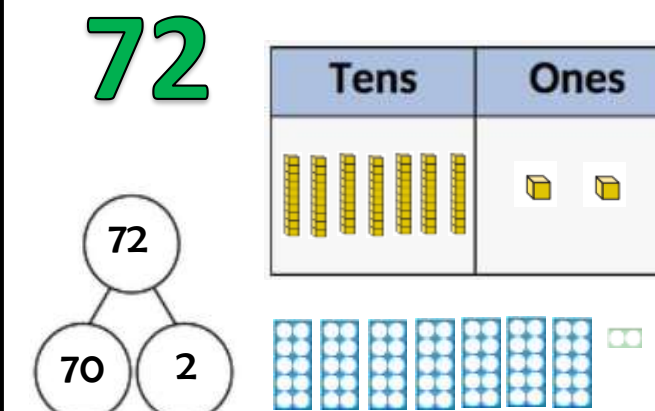
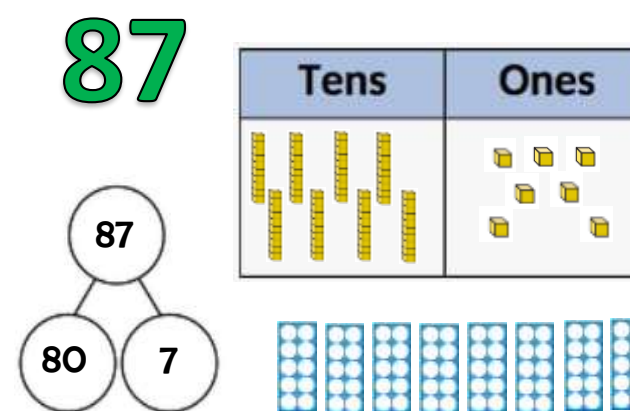
One more than 57 is 58.

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.

Partitioning and Representations

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



Key Vocabulary

Number Digit Least Smallest Greatest Ones Tens Hundreds Partitioning Smallest Greatest