Number and Place Value

Lesson sequence

Numbers to 20
Using a place value chart/recognising tens and ones
Partition numbers to 100
Writing numbers to 100
Comparing and ordering numbers
Counting in 2s, 3s, 5s and 10s

Vocabulary revision

- *Number*
- *More*
- *Less*
- *Odd*
- *Even*
- *First*
- *Second*
- *Third*
- *Ones*
- *Tens*
- *'Teens' number*
- *More than*
- *Less than*
- *Most*
- *Least*
- *Fewer*

Sticky learning

New Knowledge	New Skills
• *To know the < sing means less than* • *To know the > sing means greater than* • *To know the place value of each digit in a two-digit number (tens, ones)* • *To know that zero is used to represent nothing or an empty set of things* • *To know that zero can be used as a place holder – to symbolise the absence of a value in a particular position e.g. In the number 20, the zero represents no ones*	• *To count in steps of 2, 3, and 5 from 0, and in tens from any number, forward or backward* • *To compare and order numbers from 0 up to 100* • *To identify, represent and estimate numbers using different representations, including the number line* • *To read and write numbers to at least 100 in numerals and in words* • *To use place value and number facts to solve problems* • *To partition numbers in different ways (for example, 23 = 20 + 3 and 23 = 10 + 13) to support subtraction*

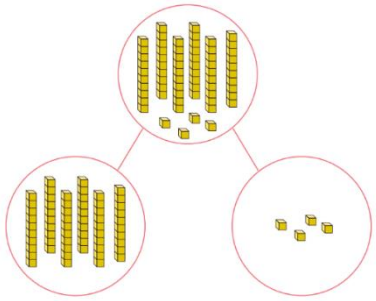
New vocabulary I will learn

- *Hundreds*
- *Zero*
- *Digit*
- *Multiple*
- *Pattern*
- *Rule*
- *One-, two- or three-digit number*
- *Place value*
- *Represents*
- *Part*
- *Partition*

Pictorial representations

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

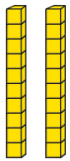
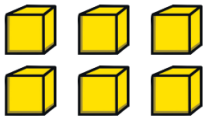
64 has **6** tens and **4** ones



Greater than >

Less than <

Hundreds	Tens	Ones

twenty	six
	
20	6

Counting in 2s

0	2	4	6	8	10	12	14	16	18	20

Counting in 3s

0	3	6	9	12	15	18	21	24	27	30

Counting in 5s

0	5	10	15	20	25	30	35	40	45	50

Counting in 10s

0	10	20	30	40	50	60	70	80	90	100

Concept Links/Prior Knowledge

- *To know all the numbers up to 100*
- *To know that equals means the same as*
- *To know the language of: equal to, more than, less than (fewer), most, least*
- *To know that even numbers are numbers ending in 2,4,6,8 and 0*
- *To know that odd numbers are numbers ending in 1,3,5,7 and 9*
- *To know that a number bonds join numbers together to make another number*
- *To know the number bonds up to 20*
- *To count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number*
- *To count, read and write numbers to 100 in numerals*
- *To count in multiples of twos, fives and tens*
- *To identify and say one more and one less than a given number*
- *To identify and represent numbers using objects and pictorial representations including the number line*
- *To read and write numbers from 1 to 20 in numerals and words*
- *To connect counting (1,2,3) to ordering (first, second, third) and counting of objects (1 banana, 2 apples, 3 pears)*
- *To begin to recognise place value in numbers beyond 20 by reading, writing, counting and comparing numbers up to 100*