Maths - Number and Place Value

Lesson sequence

Numbers to 20

Counting objects to 100 by making 10s

Recognise tens and ones

Use a place value chart

Partition numbers to 100

Write numbers to 100 in words

Flexibly partition numbers to 100

Write numbers to 100 in expanded form

10s and 1s on the number line to 100

Estimate numbers on a number line

Compare objects and numbers

Order objects and numbers

Count in 2s, 5s and 10s

Count in 3s

Sticky Learning

New Knowledge

- *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*

New Skills

- *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*

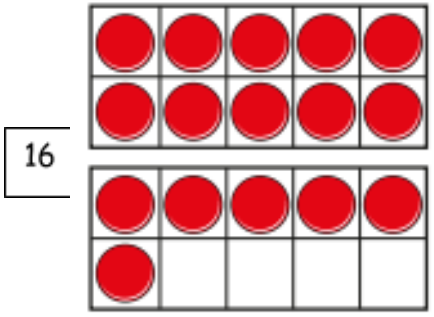
Vocabulary revision

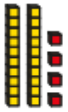
Number
More
Less
Odd
Even
First
Second
Third
'Teens' number
Ones
Tens
More than
Less than
Most
Least
Fewer
Part
Partition

New vocabulary I will learn

Hundreds
Zero
Digit
Multiple
Pattern
Rule
One-digit number
Two-digit number
Three-digit number
Place value
Represents

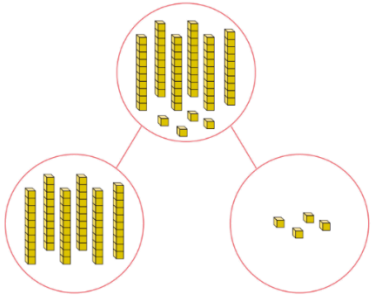
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

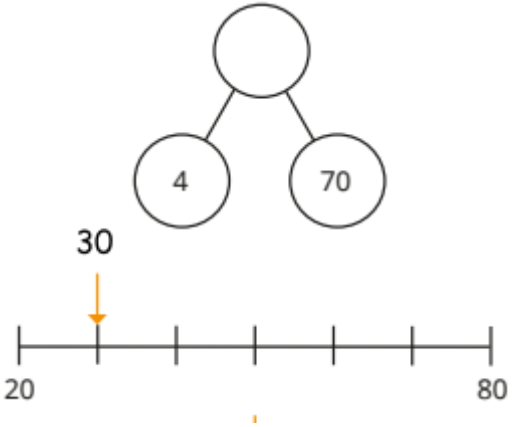




Tens	Ones
2	4

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

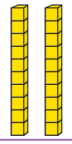
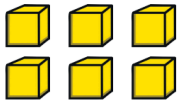




Greater than	Less than
>	<

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

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