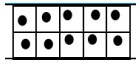
Year Two: Place Value Knowledge Organiser

Key Learning

-Count objects to 100 by grouping
-Read and write numbers to 100 in numerals and words
-Partition numbers into tens and ones
-Repartition/recombine a number
-Represent a number using the CPA approach
-Use the part-whole model to represent numbers
-Represent numbers in different ways for example know that 32 is 3 tens and 2 ones or 32 ones or that 47 is 4 tens 7 ones or 3 tens and 17 ones
-Use place value grids and counters to represent numbers
-Make sensible estimations based on their knowledge of the number system
-Order a set of numbers
-Position numbers on an empty number line using knowledge of the number system
-Use the , = when making comparisons with numbers
-Use ordinal language

Practical resources

Number line



Ten Frame

Numicon

Base ten

Pictorial

Part-whole model

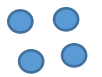
Numeral	Word	Numeral	Word	Numeral	Word	Numeral	Word
1	One	8	Eight	15	Fifteen	40	Forty
2	Two	9	Nine	16	Sixteen	50	Fifty
3	Three	10	Ten	17	Seventeen	60	Sixty
4	Four	11	Eleven	18	Eighteen	70	Seventy
5	Five	12	Twelve	19	Nineteen	80	Eighty
6	Six	13	Thirteen	20	Twenty	90	Ninety
7	Seven	14	Fourteen	30	Thirty	100	One Hundred

Even numbers / Odd Numbers

Key Vocabulary

Digit	A single whole number within a two or more digit number
Equal to	If one amount is equal to another then they have the same value. The symbol '=' means equal to
Exchange	When a number is changed for another of equal value
Three-digit number	A number consisting of three digits e.g. 641
Place value	The position or place of a digit in a number. The same digit has a different value when placed in a different position within the number
Represents	A symbol or letter can be used to represent a number

Comparing numbers

Tens	Ones
	

=

Equals

Tens	Ones
4	2

Tens	Ones
6	8

>

More than

Tens	Ones
5	2

Counting

2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24

3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36

5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60

10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120

Ordering

56 78 92

Smallest ← → Largest

80 64 35

Greatest ← → Smallest

Partitioning

Tens	Ones
7	4
9	2