Number and Place Value: Digits to 10,000,000 Knowledge Organiser

Key Vocabulary

Digits	Any numerals from 0-9 especially when forming a number.
Value	What a number or numeral is worth.
Representations	A description or portrayal of a number.
Partition	To split numbers apart.
Add	To join two or more numbers together.
Subtract	To take-away one number from another to find the difference.
Ones	1
Tens	10
Hundreds	100
Thousands	1000
Ten Thousands	10,000
Hundred Thousand	100,000
One Million	1,000,000
Ten Million	10,000,000

Key Information

1	Place value columns follow consistent patterns 1s, 10s, 100s, 1000s, 10,000s, 100,000s, 1,000,000s.
2	Placement of commas and separators come every 3 place value places to separate the columns.
3	When writing numbers in words, the place value column name should be included after each digit.
4	Equality symbols are used to compare numbers.

Prior Knowledge

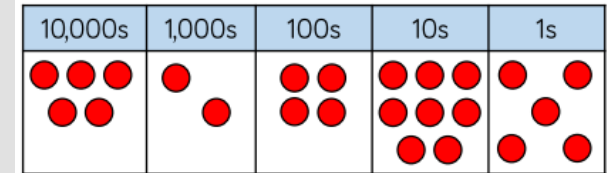|	
Y1	Read and write numbers from 1-20 in numerals and words.
Y1/Y2	Read and write numbers from 1-100 in numerals and words.
Y3	Read, write and represent numbers from 1-1000 in numerals and words and concrete objects.
Y5	Read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit.

Worked Examples

less than

901,198 < 1,091,098

The number on the right has 1 million and the Number on the left has 0 millions

Worked Examples

Write the number below in words and digits:

10,000s	1,000s	100s	10s	1s

52,485

Fifty-two thousand, four hundred and eighty-five

equals

$26+38 = 8×8$

Both calculations have the value 64.

greater than

223,873 > 98,256

The number on the left has 2 hundred thousands and the number on the right has 0 hundred thousands.