



Knowledge Organiser



Number

Year 4

Number & Place Value

Place value continues to be important because it helps us develop our understanding of larger numbers and rounding. Roman numerals are the numbers that were used in ancient Rome. There were combinations of letters used to represent numbers. Roman numerals are still used today on clocks, buildings and at the end of television programmes and films.

Builds from Year 3:

Comparing, ordering and making 3-digit numbers.
Counting in 4s, 8s, 50s and 100s.

This year:

Comparing, ordering and making 4-digit numbers.
Counting in 6s, 7s, 9s, 25s and 1000s.
Rounding numbers.
Negative numbers.

Leads to Year 5:

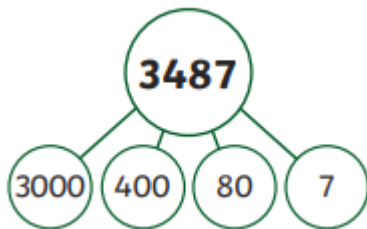
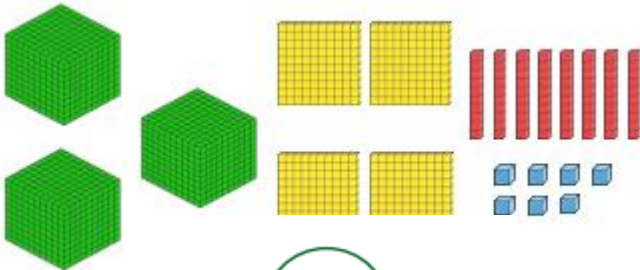
Read, write, order and compare numbers to at least 1,000,000.
Count in steps of powers of 10.
Round numbers to the nearest 10 000, 100 000.
Interpret negative numbers in context.
Recognise years written in Roman numerals.

Represent 4-Digit Numbers

3487

three thousand, four hundred and eighty-seven

Thousands	Hundreds	Tens	Ones



1000 More or Less

1000 less		1000 more
2312	3312	4312

Counting

Counting in 6s

0	6	12	18	24	30	36	42	48	54	60	66	72
---	---	----	----	----	----	----	----	----	----	----	----	----

Counting in 7s

0	7	14	21	28	35	42	49	56	63	70	77	84
---	---	----	----	----	----	----	----	----	----	----	----	----

Counting in 9s

0	9	18	27	36	45	54	63	72	81	90	99	108
---	---	----	----	----	----	----	----	----	----	----	----	-----

Counting in 25s

0	25	50	75	100	125	150	175	200	225	250
---	----	----	----	-----	-----	-----	-----	-----	-----	-----

Counting in 1000s

0	1000	2000	3000	4000	5000	6000	7000	8000	9000	1000
---	------	------	------	------	------	------	------	------	------	------

Rounding

Rounding to nearest 10												
20	21	22	23	24	25	26	27	28	29	30		
← round down					round up →							
Rounding to the nearest 100												
200		249		250		300						
← round down				round up →								
Rounding to the nearest 1000												
2000		2499		2500		3000						
← round down				round up →								

Compare and Order Numbers beyond 1000

Th	H	T	O

4324 > 3243
greater than

Th	H	T	O

2497	2508	3012	3521	3530	4002
smallest					greatest

Key Vocabulary

thousands hundreds tens ones zero place value greater than less than order round
rounded to negative number partition
Roman Numerals I (1) V (5) X (10) L (50) C (100)