

Maths Progression Document Number and Place Value Year 5 and 6

	<p>Reception /Year 1 & 2 Vocabulary</p> <p>Number Zero, number, one, two, three ... to twenty and beyond, teens numbers, eleven, twelve ... twenty, twenty -one ...hundred, two hundred..... up to nine hundred, none how many ...? count, count (up) to, count on (from, to), count back (from, to), forwards, backwards, count in ones, twos, threes, fives, tens, is the same as, more, less, odd, even, few, pattern, pair, equal, equal to, equivalent to, most, least, many, multiple of, tally, sequence, continue, predict, rule, >greater than, < less than</p> <p>Place Value Ones, tens, hundreds, digit, one-, two- or three digit number, place, place value, stands for, represents, exchange, the same number as, as many as, more, larger, bigger, greater, fewer, smaller, less, fewest, smallest, least most,, biggest, largest, greatest, equal to, half-way between, above, below, one more, ten more, one less, ten less, compare order, size, first, second, third... twentieth, twenty first and so on... last, last but one, before, after, next, between</p> <p>Estimating Guess, how many ...?, estimate, nearly, close to, about the same as, just over, just under, too many, too few, enough, not enough, roughly, exact, Exactly</p> <p>Year 3 and 4 Vocabulary</p> <p>Number One thousand, two thousand....., ten thousand, Count in fours, sixes, sevens, eights, nines, elevens, twelves, twenty-fives, fifties and hundreds, next, consecutive, non-consecutive, integer, positive, negative, above/below zero, minus, negative numbers, Factor of, relationship, roman numerals to 100</p> <p>Place Value One hundred more, one hundred less, one thousand more, one thousand less</p> <p>Estimating Approximate, approximately, round, nearest, round to the nearest ten, hundred, thousand, round up, round down</p>	
Key Vocabulary	<p>Year 5 Vocabulary</p> <p>Number Hundred thousand, million Factor pair, \geq greater than or equal to, \leq less than or equal to, Formula, divisibility, square number, prime number, ascending/descending order, Roman numerals to 1000</p> <p>Estimating Round to the nearest 10,000 and 100,000</p>	<p>Year 6 Vocabulary</p> <p>Number Factorise, prime factor Digit total</p>

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Year group	Year 5	Year 5
Key skills	<ul style="list-style-type: none"> Read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit. Count forwards and backwards in steps of powers to 10 for any given number up to 1,000,000. Count forwards and backwards with positive and negative whole numbers, including through zero. Round any number up to 1,000,000 to the nearest 10, 100, 1000, 10,000 and 100,000 Read Roman numerals up to 1000 (M) and recognise years written in Roman numerals. Solve problems involving all of the above. 	<ul style="list-style-type: none"> Read, write, order and compare numbers to at least 10,000,000 and determine the value of each digit. Round any number to a required degree of accuracy Use negative numbers in context and calculate intervals across zero. Solve problems involving all of the above.

What it looks like in models and images. Note – this is not exhaustive, guidance should be taken from our calculation policy as well as WR Maths small steps guidance.

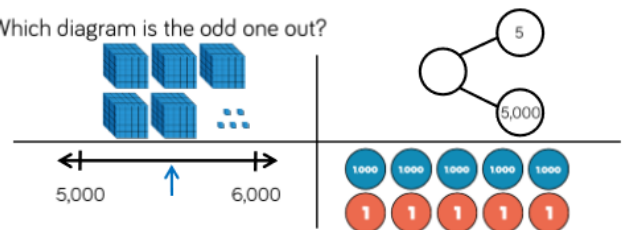
Use lots of different representations of the numbers for context

Match the diagram to the number.



4,005 4,500 4,050

Which diagram is the odd one out?



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

Complete the table

Counters	Part-whole model
65,048	
Bar model	Number line