

Maths Progression Document Number and Place Value Year 3 and 4

	<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>	
Key Vocabulary	<p>Year 3 Vocabulary</p> <p>Number One thousand, two thousand so on..... Up to nine thousand Count in fours, eights, elevens, fifties and hundreds Factor of, relationship</p> <p>Place Value One hundred more, one hundred less</p> <p>Estimating Approximate, approximately</p>	<p>Year 4 Vocabulary</p> <p>Number Ten thousand, Count in sixes, sevens, nines, twelves, twenty-fives next, consecutive, non-consecutive integer, positive, negative above/below zero, minus negative numbers Roman Numerals</p> <p>Place Value one thousand more, one thousand less</p> <p>Estimating round, nearest, round to the nearest ten, hundred, thousand round up, round down</p>
Year group	Year 3	Year 4
Key skills	<ul style="list-style-type: none"> ● Represent numbers in different ways ● Find 10 and 100 more or less than a given number ● Recognise the place value of each digit in a 3 digit number 	<ul style="list-style-type: none"> ● Represent numbers in different ways ● Find 1000 more or less than a given number ● Recognise the place value of each digit in a 4 digit number

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- Compare and order numbers up to 1000
- Read and write numbers up to 1000 in numerals and words
- Count in multiples of 4, 8, 11, 50 and 100.
- Solve number and practical problems using all of the above

- Order and compare numbers beyond 1000
- Count in multiples of 6, 7, 9, 12, 25 and 1000
- Round any number to the nearest 10, 100 and 1000.
- Solve number and practical problems using all of the above with increasingly large positive numbers
- Count backwards through zero to include negative numbers

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.

4 box grids for representing numbers in different ways. Can add numberline onto this too.

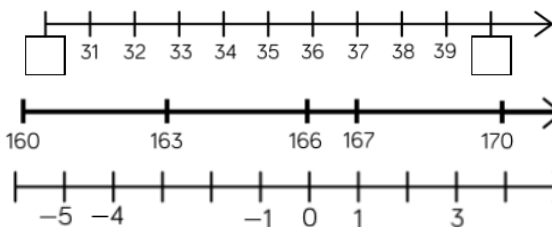
Recognise place value through partitioning

Use diennes/base 10 find 10 and 100 more and less than a number and for comparing numbers. Move to PV counters when children are ready.

See Y3 for representing numbers in different ways, increase size of number to 4 digits.

Use PV counters in all models and images (Diennes/base 10 if required to take a step back) Recognise place value through partitioning

Use numberlines for rounding and for negative numbers



Vertical numberlines often help children understand the idea of negative as 'below' zero

