|  | Progression in Mathematics: Number and Place Value |  |  |  |  |
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| Concept | YR | Nursery and EYFS $\square$ | Year 1 and Year $2 \longrightarrow$ | Year 3 and Year $4 \quad \square$ | Year 5 and Year $6 \longrightarrow$ |
| Counting | $\begin{aligned} & \text { i. } \\ & \stackrel{1}{工} \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | recognises numbers 1-5 <br> counts up to 3 or 4 objects <br> counts actions or objects <br> counts objects to 10 and beginning to count beyond 10 <br> count with reliability with numbers from 1-20 <br> place numbers in order and say which number is one more or one less than a given number | count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number <br> count in multiples of twos, fives and tens <br> count in steps of 2,3 and 5 from 0 and in tens from any number, forward and backward | count from 0 in multiples of $4,8,50$ and 100 ; find 10 or 100 more or less than a given number count in multiples of $6,7,9,25$ and 1000 <br> count backwards through zero to include negative numbers | count or forwards or backwards in steps of powers of 10 for any given number up to 1000000 <br> count forwards and backwards with positive and negative whole numbers; including through zero |



| Use PV and Compare |  | estimates how many objects they can see and then checks by counting them <br> finds the total number of items in two groups by counting all of them <br> says the number that is one more /one less from a group of 5 objects ,then 10 estimates how many objects they can see and then checks by counting them <br> finds the total number of items in two groups by counting all of them <br> says the number that is one more /one less from a group of 5 objects ,then 10 | given a number, identify one more and one less recognise the place value of each digit in a two-digit number(tens, ones) <br> compare and order numbers from 0 up to 100 ;use < > and= <br> use place value and number facts to solve problems | recognise the place value of each digit in a 3 digit number (hundred,tens,ones) <br> compare and order numbers up to 1000 <br> find 1000 more or less than a given number <br> recognise the place value of each digit in a 4 digit number ( thousands, hundreds, tens and ones) <br> order and compare numbers beyond 1000 | read, write, order and compare numbers to at least 1000000 and determine the value of each digit <br> read, write, order and compare numbers to at least 10.000000 and determine the value of each digit |
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| Problems Solving and Rounding |  |  |  | solve number problems and practical problems involving these ideas round any number to the nearest 10,100 or 1000 <br> solve number and practical problems that involve all of the above and with increasingly large positive numbers | round up any number to 1000000 to the nearest 10, $\begin{gathered} 100,1000, \\ 10000 \text { and } \\ 100000 \end{gathered}$ <br> solve number and practical problems that involve all of the above round any whole number to a required degree of accuracy <br> use negative numbers in context, and calculate intervals across zero |
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