|  | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | - Count to and across 100 , forwards and backwards, beginning with 0 or 1 , or from any given number. Count, read and write numbers to 100 in numerals. <br> Count in multiples of twos, fives and tens. <br> Given a number, identify one more and one less. <br> Identify and represent numbers using objects and pictorial representations inc the number line, and use the language of: equal to, more than, less than (fewer), most, least. Read and write numbers from 1 to 20 in numerals and words. | - Count in steps of 2, 3, and 5 from o, and in tens from number, forward or backward. Recognise the place value of each digit in a two-digit number (tens, ones). <br> Identify, represent and estimate numbers representations, ing. inc line. <br> - Compare and order numbers from 0 <br> - up to 100; use <, > and = signs. least 100 in numerals and in words. |  | - Count in multiples of 6, 7, 9, 25 and 1000 . <br> Find 1000 more or less than a the nearest 10,100 or 1000 . <br> Count backwards through zero to include negative numbers. <br> - Recognise the place value of each digit in a 4 -digit number (thousands, hundreds, tens, and ones). Order and compare numbers beyond 1000 . <br> Read Roman numerals to 100 (I to c) and know that over time, the numeral system changed to include the concept of zero and place value. value. |  |  |
|  |  |  | - Add and subtract number mentally, including: a 3 -digit no and $1 \mathrm{~s}, 10 \mathrm{~s}, 100 \mathrm{~s}$. <br> Add and sub numbers with up to 3 digits, using formal methods of columnar add and sub. Estimate the calculation and answer use operations to check answers. Solve problems, including missing no problems, using number facts, place value, and more complex add/sub. | - Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate. <br> Estimate and use inverse operations to check answers to a calculation. <br> Solve addition and subtraction two-step problems in contexts, methods to use and why. | - Add and subtract with more than ${ }_{4}$ numbers including using formal written methods (columnar addition and subtraction). <br> Add and subtract numbers mentally with increasingly large numbers. Use rounding to check answers to calculations and levels of accuracy. <br> Solve addition and subtraction multi-step problems in contexts, methods to use and why. | Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why. |
|  | Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, the support of the teacher. <br> Calculate mathematica statements for multiplication and division within the multiplication tables and write them using the multiplication $(\times)$, division ( $二$ ) and equals ( $=$ ) signs. show th numbers can mitiplication of two (commutative) and division of one number by another cannot. |  | - Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. <br> - Recognise and use factor pairs and commutativity in mental calculations. <br> Multiply two-digit and threedigit numbers by a one-digit number using formal written layout. <br> Solve problems involving x and + , including using the distributive law to multiply 2 digit numbers $\begin{array}{ll}\text { by } 1 \text { digit, } \\ \text { problems } & \text { integer } \\ \text { and } & \text { scaling } \\ \text { harder }\end{array}$ correspondence problems such as n objects are connected to $m$ objects. | Recall multiplication and division facts for <br> multiplication tables up to $12 \times$ <br> Know and use the vocabulary of prime numbers, prime factors and Establish whether a number up to 100 is prime and recall prime numbers up to 19 . <br> Multiply numbers up to 4 digits <br> by a $1-$ or 2 -digit number using numbers up to 4 digits by a 1digit number using the formal written method of short division. and those involving decimals by 10,100 and 1000. <br> Recognise and use square numbers notation for squared and cubed. |  | - Multiply and divide numbers up to 4 digits by a 2-digit whole number using the formal written methods and interpret remainders as whole number remainders, fractions, or by rounding. |




