





## Number & Place Value

I can read, write, order and compare numbers up to at least 10,000,000 (ten million) and say the value of each digit. 


***I can round any number to a required degree of accuracy.*** 


***I can use negative numbers in context when looking at temperature or money, counting in jumps forwards and backwards through 0.*** 


I can solve number and practical problems that involve ordering and comparing numbers up to 10,000,000 (ten million) rounding to a required degree of accuracy, using negative numbers and calculating intervals across zero. 

I can show an understanding of place value including decimals. 

## Addition & Subtraction


I can mentally calculate using a mix of the four operations. 


***I can solve problems with more than one step and operation and explain why I used them.*** 


I can solve addition and subtraction word and practical problems. 


***I can use estimation to check answers to calculations and determine an appropriate degree of accuracy.*** 


## Multiplication & Division


***I can multiply numbers of up to 4 digits by a two-digit number using a formal written method.*** 


I can divide numbers of up to 4 digits by a two-digit number using a formal written method of long division, showing remainders, fractions or rounding as appropriate. 


***I can divide numbers of up to 4 digits by a two-digit number using a formal written method of short division, showing remainders, fractions or rounding as appropriate.*** 

I can mentally calculate using a mix of the four operations and increasingly large numbers. 

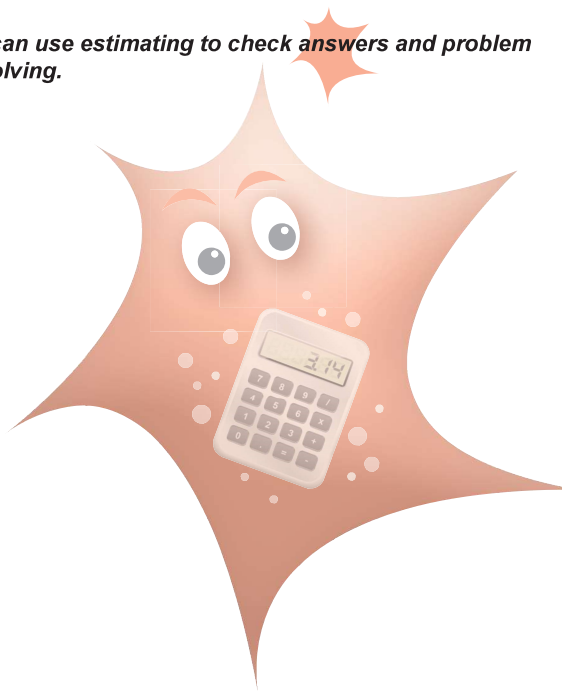
I can identify common factors, multiples and prime numbers. 

I can use the order of importance of the four operations when answering questions. 


I can solve addition and subtraction multi-step problems, deciding which operations and methods to use and explaining why they were suitable. 


I can solve problems involving addition, subtraction, multiplication and division. 


***I can use estimating to check answers and problem solving.*** 





## Fractions


I can use common factors and multiples to simplify fractions and express fractions in the same denomination. 


I can compare and order fractions including those bigger than 2. 


I can add and subtract fractions with different denominators and mixed numbers. 


I can multiply simple pairs of proper fractions, writing the answer in the simplest form such as  $1/4 \times 1/2 = 1/8$ . 


I can divide proper fractions by whole numbers such as  $1/3 \div 2 = 1/6$ . 

I can link a fraction with division and work out decimal fractions such as knowing that 7 divided by 21 is the same as  $7/21$  and that this is equal to  $1/3$ , and 0.378 is  $3/8$  as a simple fraction. 

I can explain the place value of any digit in a number with up to 3 decimal places and multiply or divide these by 10, 100 or 1000. 

I can multiply numbers less than 10 with up to 2 decimal places by whole numbers. 

***I can use written division methods for numbers with up to 2 decimal places.*** 

***I can solve problems which require answers to be rounded to specified degrees of accuracy.*** 

***I can use equivalences between simple fractions, decimals and percentages to help me solve problems.*** 