

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.



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 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.

