

# Mathematics

## Addition and Subtraction

I can add any number (up to 7 digits) using a efficient method

Beginning  
 Nearly there  
 Got it

I can subtract any number (up to 7 digits) using a efficient written method

Beginning  
 Nearly there  
 Got it

## Calculation

I can use estimation to check my answers are reasonable in the context of the problem

Beginning  
 Nearly there  
 Got it

I can solve problems, including multi-step problems involving all 4 operations

Beginning  
 Nearly there  
 Got it

I can use BODMAS to carry out calculations involving the 4 operations

Beginning  
 Nearly there  
 Got it

I can perform mental calculations fluently, including with mixed operations and large numbers

Beginning  
 Nearly there  
 Got it

## Multiplication and Division

I can multiply multi-digit numbers (up to 4 digits) by a two digit whole number using long multiplication

Beginning  
 Nearly there  
 Got it

I can find common factors, common multiples and prime numbers, understanding the relationship between them

Beginning  
 Nearly there  
 Got it

I can multiply one digit numbers with up to two decimal places by a whole number

Beginning  
 Nearly there  
 Got it

I can divide numbers of up to four digits by a two digit number using the formal written method of long division and interpret the remainders

Beginning  
 Nearly there  
 Got it

I can divide numbers of up to four digits by a two digit number using the formal written method of short division and interpret the remainders

Beginning  
 Nearly there  
 Got it

I can divide using a written method for numbers up to two decimal places

Beginning  
 Nearly there  
 Got it

## Position and Direction

I can describe positions on the full co-ordinate grid (all four quadrants)

Beginning  
 Nearly there  
 Got it

I can draw and translate simple shapes on the co-ordinate plane, and reflect them in the axes

Beginning  
 Nearly there  
 Got it

## Number and Place Value

I can read, write, order and compare numbers, including decimals, to 10,000,000 and determine the value of each digit

Beginning  
 Nearly there  
 Got it

I can use negative numbers in context and calculate intervals across zero

Beginning  
 Nearly there  
 Got it

I can round any number to a required degree of accuracy

Beginning  
 Nearly there  
 Got it

I can multiply and divide numbers by 10, 100 and 1000

Beginning  
 Nearly there  
 Got it

## Algebra

I can generate and describe linear number sequences

Beginning  
 Nearly there  
 Got it

I can use simple formulae

Beginning  
 Nearly there  
 Got it

I can express and solve missing number problems algebraically

Beginning  
 Nearly there  
 Got it

I can find pairs of numbers that satisfy an equation with two unknowns

Beginning  
 Nearly there  
 Got it

I can find all possibilities of combinations of 2 variables

Beginning  
 Nearly there  
 Got it

I can solve problems involving similar shapes where the scale factor is known or can be found

Beginning  
 Nearly there  
 Got it

## Decimals, Fractions and Percentages

I can use division to convert a fraction to its decimal equivalent

Beginning  
 Nearly there  
 Got it

I can recall and use equivalences between simple fractions, decimals and percentages

Beginning  
 Nearly there  
 Got it

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

Beginning  
 Nearly there  
 Got it

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

Beginning  
 Nearly there  
 Got it

I can compare and order any fractions, including fractions  $> 1$

Beginning  
 Nearly there  
 Got it

I can multiply simple pairs of fractions, writing my answer in it's simplest form

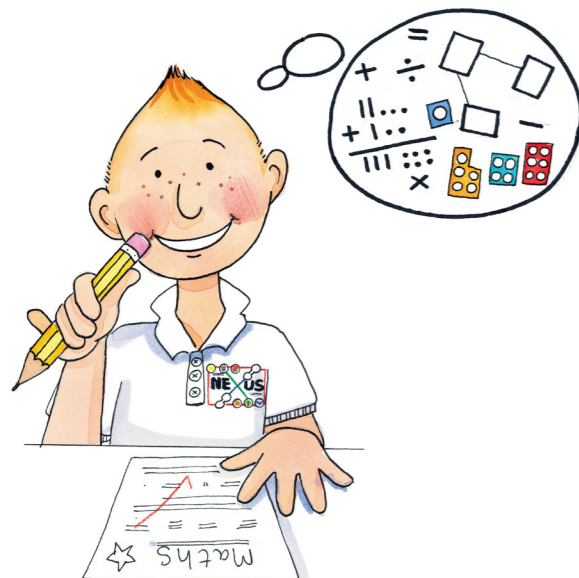
Beginning  
 Nearly there  
 Got it

I can divide proper fractions by whole numbers

Beginning  
 Nearly there  
 Got it

I can solve problems involving fractions, decimals and percentages

Beginning  
 Nearly there  
 Got it



## Statistics

I can interpret and construct pie charts and use these to solve problems

Beginning  
 Nearly there  
 Got it

I can interpret and construct line graphs and use these to solve problems

Beginning  
 Nearly there  
 Got it

I can calculate the mean as an average

Beginning  
 Nearly there  
 Got it

## Shape

I can draw 2D shapes when given the dimensions and angles

Beginning  
 Nearly there  
 Got it

I can recognise, describe and build 3D shapes:including making nets

Beginning  
 Nearly there  
 Got it

I can compare and classify geometric shapes based on their properties and sizes

Beginning  
 Nearly there  
 Got it

I can find unknown angles in any triangles, quadrilaterals and regular polygons

Beginning  
 Nearly there  
 Got it

I can find unknown angles where they meet at a point, on a straight line or are vertically opposite.

Beginning  
 Nearly there  
 Got it

I can illustrate and name parts of a circle, including radius, diameter and circumference and know that diameter is twice the radius.

Beginning  
 Nearly there  
 Got it

## Measure

I can convert between miles and Km

Beginning  
 Nearly there  
 Got it

I can calculate perimeter and area and know that shapes can have the same area and have different perimeters and vice versa

Beginning  
 Nearly there  
 Got it

I can calculate the area of a triangle and parallelogram

Beginning  
 Nearly there  
 Got it

I can estimate, calculate and compare volume of cubes and cuboids

Beginning  
 Nearly there  
 Got it

I can use, read, write and convert between standard units of length, mass and volume

Beginning  
 Nearly there  
 Got it

I can solve multi-step problems involving measure

Beginning  
 Nearly there  
 Got it

## Time

I can read write and convert units of time

Beginning  
 Nearly there  
 Got it

I can solve problems involving time

Beginning  
 Nearly there  
 Got it

