

# Year Six Maths Non-Negotiable



I can read, write, order and compare numbers up to 10,000,000 and know the value of each digit	
I can round any number to a required degree of accuracy	
I can use negative numbers in context and calculate intervals across zero	
I can multiply 4 digit by 2 digit numbers	
I can divide 4 digits by 2 digit numbers and show remainders as fractions, in decimals up to 2 decimal places or round my answer depending on the question	
I can mentally add, subtract, multiply and divide increasingly large numbers and use a mixture of these operations to answer one question	
I can solve multi-step word problems using the four operations	
I can identify common factors, multiples and prime numbers	
I can use estimation to check my answers	
I can add and subtract mixed numbers and fractions with different denominators	
I can multiply I can compare and order fractions, including those larger than 1	
I can multiply proper fractions and write my answer in the simplest form	
I can divide proper fractions by whole numbers	
I can calculate decimal equivalents from fractions	
I can multiply whole numbers by decimals with up to 2 decimal places	
I can multiply and divide numbers (up to 3 decimal places) by 10, 100 and 1000	
I can calculate percentages of whole numbers and measures	
I can recall equivalences between fractions, decimals and percentages	
I can solve problems using ratio and find missing values using multiplication and division	
I can solve problems using scale factor	
I can use simple formulae	
I can work out equations with missing amounts	
I can find missing numbers in a sequence (using decimals and whole numbers) and explain how I found the answer	
I can find pairs of numbers which work in an equation where there are two unknowns	
I can draw 2D shapes when given dimensions and angles	
I can recognise 3D shapes from nets and make these shapes	
I can compare and classify shapes based on their properties	
I can find unknown angles in quadrilaterals, triangles and regular polygons	
I know parts of circles - radius, diameter, circumference and that the diameter is twice the radius	
I can find missing angles at a point, on a straight line or are vertically opposite	
I can describe positions in all four quadrants	
I can draw and translate simple shapes and reflect them in the axis	
I can read, write and convert between standard measures of length, time, mass and volume using decimal notation up to 3 decimal places	
I can recognise that shapes with the same area can have different perimeters and vice versa	
I can calculate the area of triangles and parallelograms	
I can calculate, estimate and compare volumes of cubes and cuboids	
I can interpret pie charts and line graphs to solve problems	
I can construct line graphs	
I can calculate and interpret mean as the average	