

Year 6 Maths Progression

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Number Place value		Number Four operations				Number Fractions A		Number Fractions B		Comparing units	
Spring	Number Ratio		Number Algebra		Number Decimals		Number Fractions, decimals and percentages		Measurement Area, perimeter and volume		Statistics	
Summer	Geometry Shape			Area and Perimeter	Themed projects, consolidation and problem solving							

I can enumerate possibilities of combinations of 2 variables.

I can find pairs of numbers that satisfy an equation with 2 unknowns.

I can express missing number problems algebraically.

I can use simple formulae and can generate and describe linear number sequences.

I can solve problems involving similar shapes where the scale factor is known.

I can solve problems involving the calculation of percentages.

I can solve number and practical problems involving all of the below.

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

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

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

Place Value, Ratio, Proportion and Algebra

I can use knowledge of the order of operations to carry out calculations involving the 4 operations.

I can use the formal method of short division.

I can interpret remainders as whole number remainders, fractions or by rounding.

I can multiply and divide multi-digit numbers up to 4-digits by a 2-digit whole number.

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

I can identify common factors, common multiples squared, cubed and prime numbers.

Multiplication and Division

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

I can associate a fraction with division and calculate decimal fraction equivalents.

I can multiply and divide numbers by 10, 100 and 1000 and multiply 1-digit numbers with up to 2 decimal places by whole numbers.

I can identify the value of each digit in numbers given to 3 decimal places.

I can divide proper fractions by whole numbers.

I can multiply simple pairs of proper fractions, writing the answer in the simplest form.

I can compare, order, add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions.

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

Fractions and Decimals

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

I can calculate the area of parallelograms and triangles.

I can recognise when it is possible to use formulae for area and volume of shapes.

I can recognise that shapes with the same areas can have different perimeters and vice versa.

I can use, read, write and convert between standard units, converting measurements of time.

I can convert between miles and kilometres.

I can use, read, write and convert between standard units, converting different types of measurements from a smaller unit to a larger one and vice versa.

I can solve problems involving the calculation and conversion of units of measure, using decimal notation up to 2 decimal places.

Measurement

I can calculate and interpret the mean as an average.

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

Statistics

I can describe positions on the full coordinate grid and draw and translate simple shapes.

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

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

I can recognise, describe and build simple 3-D shapes, including making nets.

I can illustrate and name parts of circles.

I can compare and classify geometric shapes.

I can draw 2-d shapes using given dimensions and angles.

Geometry