

Year 5 Maths Progression

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Autumn	Number: Place Value	Number: Addition and Subtraction	Statistics	Number: Multiplication and Division	Measurement: Perimeter and Area	
Spring	Number: Multiplication and Division		Number: Fractions		Number: Decimals and Percentages	
Summer	Number: Decimals	Geometry: Properties of Shapes	Geometry: Position and Direction	Measurement: Converting Units	Measurement: Volume	

I can round any number up to 1,000,000 and solve number and practical problems.

I can interpret negative numbers in context.

I can read Roman numerals to 1000 and recognise years.

I can read, write, order and compare numbers up to at least 1,000,000 and determine the value of each digit.

I can count forwards and backwards in steps of powers of 10 up to 1,000,000 and do this with positive and negative numbers.

Place Value

I can solve problems involving addition, subtraction, multiplication and division and can understand the meaning of the equals sign.

I can solve addition and subtraction multi-step problems.

I can add and subtract increasingly large numbers mentally.

I can add and subtract whole numbers with more than 4 digits using formal written methods.

I can use rounding to check answers to calculations.

Addition and Subtraction

I can solve problems using knowledge of factors, multiples, squares and cubes.

I can multiply and divide mentally and multiply and divide numbers involving decimals.

I can multiply and divide numbers up to 4-digits by a 1- or 2-digit number using formal written methods.

I can establish whether a number up to 100 is a prime and recall and recognise prime numbers and recognise and use square numbers.

I can know and use the vocabulary of prime numbers, prime factors and composite numbers.

I can identify multiples and factors, including finding all factor pairs of a number and common factors between numbers.

Multiplication and Division

I can round decimals and read, write and order numbers with up to 3 decimal places and can recognise and understand the (%) symbol.

I can read and write decimal numbers as fractions and recognise and use thousandths.

I can multiply proper fractions and mixed numbers by whole numbers.

I can add and subtract fractions with the same denominator and denominators with multiples of the same number.

I can compare and order fractions whose denominators are all multiples of the same number.

I can identify, name and write equivalent fractions of a given fraction and recognise mixed numbers and improper fractions and convert the two.

Fractions and Decimals

I can estimate volume, using blocks to build cuboids and capacity.

I can calculate and compare the area of rectangles and squares.

I can measure and calculate the perimeter of composite rectilinear shapes in cm and m.

I can solve problems involving converting between units of time.

I can use all 4 operations to solve problems involving measure.

I can understand and use approximate equivalences between metric and imperial units.

I can convert between different units of metric measure.

Measurement

I can solve comparison, sum and difference problems using information presented in line graphs.

I can complete, read and interpret information in tables.

Statistics

I can identify, describe and represent the position of a shape following a reflection or translation.

I can draw given angles and measure them and can identify angles at different points.

I know that angles are measured in degrees and can estimate and compare acute, obtuse and reflex angles.

I can identify 3-D shapes from 2-D representations.

I can use the properties of rectangles to deduce related facts such as missing lengths or angles.

I can distinguish between regular and irregular polygons.

Geometry