



Algebra Progression

	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Equations		Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = \square - 9$ (Addition and Subtraction). Represent and use number bonds and related subtraction facts within 20 (Addition and Subtraction).	Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems. (Addition and Subtraction). Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 (Addition and Subtraction).	Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction (Addition and Subtraction). Solve problems, including missing number problems, involving multiplication and division, including integer scaling (Multiplication and Division).		Use the properties of rectangles to deduce related facts and find missing lengths and angles (Geometry: Properties of Shapes).	Express missing number problems algebraically. Find pairs of numbers that satisfy number sentences involving two unknowns. Enumerate all possibilities of combinations of two variables.
Formulae					Perimeter can be expressed algebraically as $2(a + b)$ where a and b are the dimensions in the same unit (NSG Measurement).		Use simple formulae. Recognise when it is possible to use formulae for area and volume of shapes (Measurement).
Sequences		Sequence events in chronological order using language such as: before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening (Measurement).	Compare and sequence intervals of time (Measurement). Order and arrange combinations of mathematical objects in patterns (Geometry: position and direction).				Generate and describe linear number sequences.

Key: National Curriculum Algebra Programme of Study Objectives / Algebra Linked National Curriculum Objectives / Ready to Progress Statements