

Algebra, Ratio and Proportion

ALGEBRA						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
						<ul style="list-style-type: none"> • introduce the language of algebra as a means for solving a variety of problems. • To introduce the use of symbols and letters to represent variables and unknowns in mathematical familiar situations, such as: missing numbers, lengths, coordinates and angles • To use simple formulae. • To generate and describe linear number sequences. • To express missing number problems algebraically. • To find pairs of numbers that satisfy an equation with two unknowns. • To enumerate possibilities of combinations of two variables.
RATIO AND PROPORTION						
						<ul style="list-style-type: none"> • <i>To recognise proportionality in contexts when the relations between quantities are in the same ratio, e.g. recipes.</i> • To solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts. • To solve problems involving the calculation of percentages and the use of percentages for comparison <i>including linking percentages or 360° to calculating angles of pie chart.</i> • To solve problems involving similar shapes where the scale factor is known or can be found. To solve problems involving unequal <i>quantities</i>, sharing and grouping using knowledge of fractions & multiples