

Fluency	Reason Mathematically	Solve Problems
To become fluent in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.	To reason mathematically by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language	To solve problems by applying their mathematics to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions.

RATIO AND PROPORTION

STATEMENTS ONLY APPEAR IN YEAR 6 BUT SHOULD BE CONNECTED TO PREVIOUS LEARNING, PARTICULARLY IN FRACTIONS AND MULTIPLICATION AND DIVISION						
EYFS	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6
						Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts
						Solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison
						Solve problems involving similar shapes where the scale factor is known or can be found
						Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples