Ashbury Meadow Primary School Mathematics Curriculum Progression in Ratio and Proportion

Year	Knowledge and Skills	Vocabulary
Group	Supporting Resource: Maths No Problem	
	Essential & most valuable knowledge for the next key stage is highlighted in yellow	
Year 6	 Ratio and Proportion To use ratios and fractions to compare objects; to find the relationship between ratios, percentages and fractions. To determine the ratio of a quantity using concrete materials; to simplify ratios using concrete materials in addition to division. To compare more than two quantities using the term 'ratio'; to use bar models to express ratios where there is more than one quantity. To compare quantity using both fractions and ratios; to use bar model diagrams to represent ratios. To compare quantities using bar models and common factors; to use multiplication and division to simplify ratios. To compare quantities using bar models and common factors; to use multiplication and division to simplify ratios. To compare quantities using the term 'ratio'; to use bar model diagrams to represent ratios. To compare quantities using to make decisions about simplifying ratios using division. To solve word problems using a variety of heuristics including guess-and-check and bar models; to apply knowledge of ratios to word problems using the bar model heuristic; to employ division and multiplication as primary strategies when solving word problems using the bar model heuristic; to employ division and multiplication as primary strategies when solving word problems using the bar model heuristic to ratio word problems. Y6 National Curriculum – End Point: Pupils will be taught to: 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 the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison solv	simplified ratio proportion