



# Ratio, Proportion and Statistical Reasoning



RATIO AND PROPORTION					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
					<p>solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts</p> <p>solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison</p> <p>solve problems involving similar shapes where the scale factor is known or can be found</p> <p>Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples.</p>
INTERPRETING, CONSTRUCTING AND PRESENTING DATA					
	<p>interpret and construct simple pictograms, tally charts, block diagrams and simple tables</p> <p>ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity</p> <p>ask and answer questions about totalling and comparing categorical data</p>	<p>interpret and present data using bar charts, pictograms and tables</p>	<p>interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs</p>	<p>complete, read and interpret information in tables, including timetables</p>	<p>interpret and construct pie charts and line graphs and use these to solve problems</p>
SOLVING PROBLEMS					
		<p>solve one-step and two-step questions [e.g. 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables.</p>	<p>solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.</p>	<p>solve comparison, sum and difference problems using information presented in a line graph</p>	<p>calculate and interpret the mean as an average</p>