

Curriculum End Points	Subject: Mathematics		
Theme / Area Covered	Proportion 1		
	Age Related Targets – Year 7	Age Related Targets – Year 8	Age Related Targets – Year 9
Key Objectives / Learning Pathway Emerging	<p>Solve simple problems involving ratio written in words</p> <p>Use a scale factor to solve problems involving similar shapes</p> <p>Find the scale factor of similar shapes.</p> <p>Solve problems involving equal sharing or grouping problems using fractions</p> <p>Solve problems involving equal sharing or grouping problems using multiples</p>	<p>Describe a comparison of measurements or objects using ratio notation a:b</p> <p>Simplify a ratio by cancelling common factors</p> <p>Divide a quantity in two parts in a given part:part ratio</p> <p>Divide a quantity in two parts in a given part:whole ratio</p>	<p>Use equality of ratios to solve problems and represent ratios as linear equations and draw their graphs.</p> <p>Understand and use fractions, decimals and percentages as multipliers when calculating the original amount after a % change, including improper fractions</p>
Key Objectives / Learning Pathway Developing	<p>Describe a comparison of measurements or objects using ratio notation a:b</p> <p>Simplify a ratio by cancelling common factors</p> <p>Divide a quantity in two parts in a given part:part ratio</p> <p>Divide a quantity in two parts in a given part:whole ratio</p>	<p>Understand and use common multiples when solving problems involving direct proportion.</p> <p>Share in a given ratio.</p> <p>Understand and use fractions, decimals and percentages as multipliers when increasing and decreasing.</p> <p>Simplify a ratio and write in the form 1:n or n:1 and interpret scales and maps using ratio.</p>	<p>Solve ratio problems involving mixing</p> <p>Solve ratio problems involving comparisons</p> <p>Solve ratio problems involving concentrations</p> <p>Understand and use compound units</p> <p>Convert between units of speed</p> <p>Solve problems involving speed</p> <p>Solve problems involving rates of pay</p> <p>Solve problems involving unit pricing</p>
Key Objectives / Learning Pathway Mastering	<p>Understand and use common multiples when solving problems involving direct proportion.</p> <p>Share in a given ratio.</p> <p>Understand and use fractions, decimals and percentages as multipliers when increasing and decreasing.</p> <p>Simplify a ratio and write in the form 1:n or n:1 and interpret scales and maps using ratio.</p>	<p>Use equality of ratios to solve problems and represent ratios as linear equations and draw their graphs.</p> <p>Understand and use fractions, decimals and percentages as multipliers when calculating the original amount after a % change, including improper fractions</p>	<p>Solve ratio problems involving mixing</p> <p>Solve ratio problems involving comparisons</p> <p>Solve ratio problems involving concentrations</p> <p>Understand and use compound units</p> <p>Convert between units of speed</p> <p>Solve problems involving speed</p> <p>Solve problems involving rates of pay</p> <p>Solve problems involving unit pricing</p>
Key Objectives / Learning Pathway Excelling	<p>Use equality of ratios to solve problems and represent ratios as linear equations and draw their graphs.</p>	<p>Solve ratio problems involving mixing</p> <p>Solve ratio problems involving comparisons</p> <p>Solve ratio problems involving concentrations</p>	<p>For problems involving direct and inverse proportion, write relationships and recognise graphs.</p>

	Understand and use fractions, decimals and percentages as multipliers when calculating the original amount after a % change, including improper fractions	Understand and use compound units Convert between units of speed Solve problems involving speed Solve problems involving rates of pay Solve problems involving unit pricing	
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