

	Subject: Mathematics		
Theme / Area Covered	Proportion 1 End Points		
	Age Related Targets – Year 7	Age Related Targets – Year 8	Age Related Targets – Year 9
Key Objectives / Learning Pathway Emerging	Solve simple problems involving multiplicative relationships written in words. Use a scale factor to solve problems involving similar shapes. Find the scale factor of similar shapes. Solve problems involving equal sharing or grouping problems using fractions.	Use the unitary method to solve simple proportion problems. Describe a comparison of measurements or objects using ratio notation a:b. Simplify a ratio by cancelling common factors. Divide a quantity in two parts in a given part:part ratio or part:whole ratio.	Understand and use common multiples when solving problems involving direct proportion. Share in a given ratio in more than two parts. Understand and use fractions and decimals as multipliers when increasing and decreasing. Simplify a ratio and write in the form 1:n or n:! Interpret scales and maps using ratio.
Key Objectives / Learning Pathway Developing	Use the unitary method to solve simple proportion problems. Describe a comparison of measurements or objects using ratio notation a:b. Simplify a ratio. Divide a quantity in two parts in a given part:part ratio or part:whole ratio.	Understand and use common multiples when solving problems involving direct proportion. Share in a given ratio in more than two parts. Understand and use fractions and decimals as multipliers when increasing and decreasing. Simplify a ratio and write in the form 1:n or n:! Interpret scales and maps using ratio.	Represent ratios as linear equations and draw their graphs. Convert currencies using decimal multipliers.
Key Objectives / Learning Pathway Mastering	Understand and use common multiples when solving problems involving direct proportion. Share in a given ratio in more than two parts. Use fractions and decimals as multipliers when increasing and decreasing. Simplify a ratio and write in the form 1:n or n:! Interpret scales and maps using ratio.	Represent ratios as linear equations and draw their graphs. Convert currencies using decimal multipliers.	Solve ratio problems involving comparisons Understand and use compound units Solve problems involving compound measures Solve problems involving rates of pay Solve problems involving unit pricing
Key Objectives / Learning Pathway Excelling	Represent ratios as linear equations and draw their graphs. Convert currencies using decimal multipliers.	Solve ratio problems involving comparisons Understand and use compound units Solve problems involving compound measures Solve problems involving rates of pay Solve problems involving unit pricing	For problems involving direct proportion, write relationships and recognise their graphs.