

Year 9 Higher Learning Map

Fractions, Percentages and Ratio			
Prior Learning You will have worked with fractions and decimals throughout Years 7 and 8. You will have also focused on ratio in Year 8.		Current Learning In this topic you will learn to take fractions and percentages to higher levels, including compound interest. You will also deepen your understanding of ratio and move to higher level problems.	
		Subsequent Learning The ratio work in this topic will be applied to numerous units in Years 9-11, including similarity. Ratio is the basis of most mathematics - successful mathematicians will have a deep understanding of ratio and proportion.	
Lesson Sequencing	Tier 3 Vocabulary	Wider Reading Opportunities	Ways in which parents/carers can support
Lessons will address the following learning objectives in the order most effective for the class' needs: <ul style="list-style-type: none"> • Calculate percentage change • Use multiplier to increase and decrease by a percentage • Calculate the original amount for reverse percentages • Calculate compound interest • Solve higher order ratio problems • Solve problems by combining two ratios 	Compound Multiplier Ratio Equivalent Mixed Number	<ul style="list-style-type: none"> • Mathematics: The New Golden Age by Keith Devlin Recommended revision guides can be found here: CGP Revision Guides	Support your child's progress through: <ul style="list-style-type: none"> • Maths Watch - to complete homework and access further revision. • Corbett Maths - for extra support videos and work on the topics stated. • Maths Genie - for exam questions, videos and solution on the topics stated • Accessing their Microsoft Teams work for directed exercises on current topics