Year 8 Mathematics

Level	Number 2 - Knowledge, Skills, Understanding
Higher	**Money and Timetables** Solve problems involving converting between measures
	Percentages Calculate the percentage change in a given situation, including percentage increase / decrease Compare two quantities using percentages Solve original value problems when working with percentages (Reverse Percentages) Solve financial problems including simple interest and compound interest
	Ratios Solve problems involving speed Identify when it is necessary to convert quantities in order to use a sensible unit of measure
Intermediate	**Money and Timetables** Solve time problems Convert between different currencies and solve best buy problems. Convert between Imperial units; e.g. feet and inches, pounds and ounces, pints and gallons
	Percentages Find the outcome of a given percentage increase and decrease Use a multiplier to increase or decrease by a percentage Know that percentage change = actual change ÷ original amount Solve problems involving percentage change Solve financial problems including simple interest Use percentages greater than 100%
	Ratios Use fractions fluently in situations involving ratio or proportion Understand the connections between ratios and fractions Understand the meaning of a compound unit Know the connection between speed, distance and time

Year 8 Mathematics

Foundation	**Money and Timetables** Convert between different units of time Read from timetables and plan journeys Convert between different currencies Convert between non-adjacent metric units; e.g. kilometres and centimetres Use decimal notation up to three decimal places when converting metric units State conclusions using the correct notation and units
	Percentages Use calculators to find a percentage of an amount using multiplicative methods Identify the multiplier for a percentage increase or decrease Use calculators to increase (decrease) an amount by a percentage using multiplicative methods Identify the multiplier for a percentage increase or decrease when the percentage is greater than 100% Use calculators to increase an amount by a percentage greater than 100%
	Ratios Identify ratio in a real-life context Write a ratio to describe a situation Identify proportion in a situation Find a relevant multiplier in a situation involving proportion