Mathematics (GCSE)

The areas of development are:	Solutions
Maths	
Please log into www.hegartymaths.com and search for the following areas:	
• Number	
	• Index notation
	• Rounding
	• Fractions, percentages, decimals
	• Multiplying decimals
	• Fractional and negative indices
	• Adding and subtracting fractions
	• Percentages of an amount
	• Reverse percentage problem
	• Calculating with standard form
	• Compound interest
	• Surds
• Ratio and Proportion	• Sharing into a ratio
	• Ratio, fraction and graphs
	• Direct and inverse proportion
• Algebra	• Finding the nth term
	• Finding the nth term of a quadratic sequence
	• Solving equations
	• Angle sum of polygons
	• Forming formulae and equations

	• Rearranging formulae
	• Equation of a straight line
	• Algebraic proof
	• Algebraic fraction
	• Inverse and composite functions
	• Simultaneous equations
	• Solving quadratic equations
	• Transformation of graphs
	• Trigonometric graphs
	• Mathematical reasoning
• Shape and Measure	• Metric conversions
	• Area of a circle
	• Sector area
	• Volume of a prism
	• Constructions
	• Pythagoras' Theorem
	• Similarity
	• Trigonometry
	• Advanced trigonometry
• Probability and Statistics	• Calculating probabilities
	• Drawing and interpreting pie charts
	• Cumulative frequency
	• Box plots
	• Probability tree diagram
	• Sets and Venn diagrams
	• Averages and the range
	• Estimate for the mean

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