

Mathematics (GCSE)



The areas of development are:	Solutions
Maths	
Please log into www.hegartymaths.com and search for the following areas:	
<ul style="list-style-type: none"> • Number 	<ul style="list-style-type: none"> • Ordering decimals – Clip 46 • Index notation – Clip 102 • Rounding – Clip 56 • Factors, multiples and primes – Clip 32, Clip 35 and Clip 28 • Equivalent fractions – Clip 59 • Fractions, percentages, decimals – Clip 73 • Multiplying decimals – Clip 48 • Fractional and negative indices – Clip 109 • Adding and subtracting fractions – Clip 66 • Percentages of an amount – Clip 87 • Reverse percentage problems – Clip 96 • Converting numbers into standard form – Clip 122 • Calculating with standard form – Clip 125 • Compound interest – Clip 94 • Surds – Clip 115
<ul style="list-style-type: none"> • Ratio and Proportion 	<ul style="list-style-type: none"> • Sharing into a ratio – Clip 332 • Ratio, fraction and graphs – Clip 330 • Direct and inverse proportion – Clip 343
<ul style="list-style-type: none"> • Algebra 	<ul style="list-style-type: none"> • Finding the nth term – Clip 198 • Finding the nth term of a quadratic sequence – Clip 248 • Solving equations – Clip 179

	<ul style="list-style-type: none"> • Angle sum of polygons – Clip 561 • Forming formulae and equations – Clip 176 • Rearranging formulae – Clip 281 • Equation of a straight line – Clip 207 • Algebraic proof – Clip 325 • Algebraic fraction – Clip 172 • Inverse and composite functions – Clip 293 • Simultaneous equations – Clip 191 • Solving quadratic equations – Clip 231 • Transformation of graphs – Clip 313 • Trigonometric graphs – Clip 303, Clip 304 and Clip 305 • Factorising and solving quadratics – Clip 223 • Mathematical reasoning
<ul style="list-style-type: none"> • Shape and Measure 	<ul style="list-style-type: none"> • Metric conversions – Clip 705 • Area of a circle – Clip 540 • Sector area – Clip 546 • Volume of a prism – Clip 570 • Constructions – Clip 683 • Pythagoras' Theorem – Clip 501 • Similarity – Clip 612 • Trigonometry – Clip 509 • Advanced trigonometry – Clip 528
<ul style="list-style-type: none"> • Probability and Statistics 	<ul style="list-style-type: none"> • Calculating probabilities – Clip 356 • Drawing and interpreting pie charts – Clip 472 • Cumulative frequency – Clip 437 • Box plots – Clip 434 • Probability tree diagram – Clip 361 • Sets and Venn diagrams – Clip 372 • Averages and the range – Clip 419 • Estimate for the mean – Clip 418

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