

Mock Examination Assessment Information Sheet for Students, Parents and Carers

GCSE Mathematics

Subject:	Assessment topics:	How your child can prepare?:
Maths Higher	Paper 1 (non-calculator)	<p>Scatter graphs, Product of Primes, Multiplying Decimals, Expanding double brackets, Pythagoras' theorem, Equation of parallel lines, Reverse mean, Standard form, Reverse percentages, expanding triple brackets, Roots and turning points of a quadratic graph, Fractional and negative indices, Inverse proportion, combining ratio, Estimating the volume of a cone, Algebraic proof, Conditional probability, Equation of a perpendicular line, Vectors, Simultaneous equations with a circle and a line, Geometric proof.</p> <p>Corbettmaths: Videos and Worksheets – Corbettmaths Mathsgenie: Maths Genie - Free Online GCSE and A Level Maths Revision Mathswatch: MathsWatch</p>
	Paper 2 (calculator)	<p>Relative frequency, Sharing in a ratio, Fraction of an amount, Plans and elevations, Speed, Similar shapes (length), Compound interest, Error intervals, Cumulative frequency, Combining transformations, Standard form, Solving equations with fractions, Conditional probability, Histograms, identifying graphs, Proof of circle theorems, Recurring decimals, Area of a segment, Changing the base of indices, Subtracting algebraic fractions, Solving simultaneous equations graphically, Circles, Trigonometry on a right angle triangle, nth term of a quadratic sequence, Equation of a tangent to a circle.</p> <p>Corbettmaths: Videos and Worksheets – Corbettmaths Mathsgenie: Maths Genie - Free Online GCSE and A Level Maths Revision Mathswatch: MathsWatch</p>
	Paper 3 (calculator)	<p>Venn diagrams, Linear simultaneous equations, Averages and range, Fraction and percentage of an amount, Regular polygons, Compound density, Trigonometry of a right angle triangle, Box plots, Compound interest, Product rule for counting, Combining ratio, Graphing inequalities, Simplifying algebraic fractions, Changing the subject of a formula, Harder trigonometry (area), Iteration, Bounds, Circle theorems, Quadratic inequalities, Equation of a circle, Transforming graphs.</p> <p>Corbettmaths: Videos and Worksheets – Corbettmaths Mathsgenie: Maths Genie - Free Online GCSE and A Level Maths Revision Mathswatch: MathsWatch</p>

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Maths Foundation	Paper 1 (non-calculator)	<p>Indices, Rounding, Multiplying algebra, Converting between improper fractions and mixed numbers, Converting fractions to percentages, Percentage of an amount, Probability Scales, Money, Multiplying fractions, Subtracting fractions, Simplifying ratio, Sequences (patterns), Probability, Estimation, Pie charts, Area of a triangle and a rectangle, Substitution, Proportion, Area of a circle, Solving equations, Percentage increase, Scatter graphs, Product of prime factors, Multiplying decimals, Expanding double brackets, Pythagoras' theorem, Equation of parallel lines, Vectors.</p> <p>Corbettmaths: Videos and Worksheets – Corbettmaths Mathsgenie: Maths Genie - Free Online GCSE and A Level Maths Revision Mathswatch: MathsWatch</p>
	Paper 2 (calculator)	<p>Collecting like terms, Rounding, Dual bar charts, Ordering fractions, Tally charts, Pictograms, Fraction of an amount, Probabilities sum to 1, Angles around a point, Best buys, Conversion graphs, Using a calculator, Transformations, Factorising, Standard form, Loci, Relative frequency, Sharing in a ratio, Fraction of an amount, Plans and elevations, Speed, Similar shapes (length), Compound interest, Error intervals, Factorising quadratics, Arithmetic sequences.</p> <p>Corbettmaths: Videos and Worksheets – Corbettmaths Mathsgenie: Maths Genie - Free Online GCSE and A Level Maths Revision Mathswatch: MathsWatch</p>

	Paper 3 (calculator)	<p>Interpreting frequency table, Forming expressions, Place value, Fractions – Original amounts, Fraction of an amount, Averages and range, Listing outcomes, Time, Sharing in a ratio, Substitution, Changing the subject of a formula, Volume and surface area of a cuboid, Forming an equation with angles, Exchange rates, Venn diagrams, linear simultaneous equations, Percentages of an amount, Regular polygons, Density, Reciprocal graphs, Bounds, Reverse percentages.</p> <p>Corbettmaths: Videos and Worksheets – Corbettmaths Mathsgenie: Maths Genie - Free Online GCSE and A Level Maths Revision Mathswatch: MathsWatch</p>
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