





Algebra, Number & Geometry

Algebra manipulation, Sequences, Ratio and Proportionality, Mensuration, 2D and Polygons, Probability,



Revision

Past-paper practice Revisiting topics Individual support



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Exam Information

Edexcel IGCSE Maths MA01 Higher or Foundation Tiers Two Exam Papers



Year 11



Algebra and Geometry

Transformations
Mensuration in 3D
Perimeter, Area and Volume
*Vectors, Proof, Transformations of graphs



Examination Technique

Looking at further practice questions Markschemes Understanding where marks are awarded



Next Steps
A-level Mathematics

Review and Assess

Review topics from the year and prepare for Year 11 and summer work revisiting topics.



Algebra, Geometry & Number

Circles and Cylinders, Polygons and Angle Facts, Similar Shapes, Ratio and Proportion
*Circle Theorems



Algebra, Geometry & Statistics

Indices and Special Roots, Pythagoras & Trigonometry, Bearings, Statistical Measures and Graphical Representation of Data,
Algebraic Manipulation
*Advanced Trigonometry



Year 10

Algebra and Geometry

Algebraic Manipulation Constructions and Bearings Real life and Linear Graphs Set theory and Notation



Algebra & Number

Linear Equations and Inequalities , Bounds, Special Numbers, Powers and Roots, Quadratic Equations *Quadratic Inequalities





Linear Simultaneous Equations
Integers and Place Value, Standard
Form, Arithmetic of Fractions,
Compound Measure, Percentages
and Probability
*Non-Linear Simultaneous Equations





Number & Geometry

Indices and Roots, Standard Form Constructions, Loci



Number & Algebra

Sequences including Arithmetic Sequences Solving Linear Inequalities Representing Inequalities



Algebra

Linear & Quadratic Graphs, Graphs of other functions Gradient & Intercept *Sketch Graphs

*Arithmetic Sequences





Algebra & Number

Expressions and Formulae
Expanding Double Brackets
Factorising Quadratics
Creating Equations
Similar Shapes
Direct and Inverse Proportion



Geometry

Parts of Circles, Angle Facts, Surface Area, Pythagoras' Theorem, Congruence and Similarity, Geometrical Proof



Number & Data

Probability, Tree Diagrams, Independent and Conditional Probabilities, Presenting and Interpretting Data

Number & Data

Venn Diagrams, Probability, Frequency Trees, Frequency Tables, Correlation, Data Collection, Statistical Measures



Algebra

Solving Linear Equations Intersecting Linear Graph Simultaneous equations Real-life calculations



Geometry & Algebra

Scale drawing, Enlargement, Plans, Elevations, Probability, Systematic Listing, Laws of Indices, Changing the Subject





Year 8

Geometry & Algebra

Circle Properties
Volume and Surface Area of Prisms
Area of Compound Shapes
Area and Perimeter of Parts of Circles
Graphs of Linear and Quadratic Functions
Real-life Graphs



Number

Fractions, Decimals and Percentages, Proportion, Ratio, Compound Units, Linear Functions, Sequences





Number

Prime Factor Decomposition Standard Form Negative numbers Order of Operations



Number Primes Fact

Primes, Factors and Multiples, Number Patterns, Powers and Roots, Decimals



Geometry & Algebra Properties of Shapes, Polygons, Area

& Perimeter, Simplifying Expressions, Expanding & Factorising





Number & Algebra

Mixed Numbers, Percentage Problems, Solving Equations, Inequalities





Year 7



Number & Geometry

Negatives, Fractions, Rounding, Angles on Lines, Triangles, Constructions



Number & Geometry

Fractions, Decimals and Percentages
Proportional Reasoning
Patterns
Measuring Space



Geometry and Data

Area of compound shapes Volume & Surface Area Transformations Data Presentation Statistical Measures