

TGMT

REVISION

CHECKLIST

FOR GCSE MATHS

EVERY TOPIC YOU NEED TO REVISE
TO PASS YOUR GCSE MATHS EXAM

HIGHER TIER

WWW.THEGCSEMATHSTUTOR.CO.UK

EVERY TOPIC ON THE MATHS GCSE

REVISION CHECKLIST (HIGHER)



NUMBER

- Multiply Decimals
- Product Rule for Counting
- Estimations
- Laws of Indices
- Negative and Fractional Indices
- Highest Common Factor
- Lowest Common Multiple
- Product of Prime Factors
- Standard Form Conversions
- Standard Form Calculations
- Surds Calculations
- Rationalising Fractional Surds
- Fraction Calculations
- Recurring Decimals
- Percentages of an Amount
- Reverse Percentages
- Error Intervals
- Calculating with Bounds

ALGEBRA

- Collecting Like Terms
- Substitution
- Laws of Indices
- Expanding and Simplifying
- Factorising Expressions
- Expanding Double Brackets
- Factorising Quadratics
- Expanding Triple Brackets
- Rearranging Formulae
- Solving Equations
- Linear Sequences
- Quadratic Sequences
- Geometric Sequences
- Linear Graphs
- Quadratic/Cubic Graphs
- Reciprocal/Exponential Graphs
- Perpendicular Lines
- Equations & Tangents of Circles
- Forming and Solving Equations
- Solving Quadratic Equations
- The Quadratic Formula
- Completing the Square
- Solving Linear Inequalities
- Graphical Inequalities
- Solving Quadratic Inequalities
- Linear Simultaneous Equations
- Quadratic Sim. Equations
- Iterations
- Function Calculations
- Inverse / Composite Functions
- Simplifying Algebraic Fractions
- Algebraic Fraction Calculations
- Graph Transformations
- Algebraic Proof

TRIGONOMETRY

- Pythagoras Theorem
- 3D Pythagoras
- SOHCAHTOA Sides Lengths
- SOHCAHTOA Angles
- Sine Rule
- Cosine Rule
- 3D Trigonometry
- Area of a Triangle
- Exact Trigonometry
- Trigonometric Graphs

REVISION VIDEOS

Everything you need to get a Grade 5 (Higher & Foundation)



Everything you need to get a Grade 6-9 (Higher Only)



EVERY TOPIC ON THE MATHS GCSE

REVISION CHECKLIST (HIGHER)



STATISTICS

- Averages
- Reverse Mean
- Averages from a Table
- Grouped Frequency Tables
- Scatter Graphs
- Frequency Polygons
- Sampling and Bias
- Pie Charts
- Interquartile Range
- Box Plots
- Averages from a Stem and Leaf
- Cumulative Frequency Graphs
- Histograms

SUBSCRIBE

The GCSE Maths
Tutor YouTube
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RATIO & PROPORTION

- Sharing in a Ratio
- Three Part Ratios
- Writing Ratios as Fractions
- Recipes
- Exchange Rates
- Best Value Purchases
- Conversion Graphs
- Compound Interest
- Depreciation
- Direct Proportion
- Inverse Proportion
- Speed, Distance & Time
- Mass, Density & Volume
- Pressure, Force & Area
- Velocity Time Graphs
- Area under a Graph
- Gradient of a Graph
- Equating Ratios

GEOMETRY

- Triangles & Quadrilaterals
- Area of 2D Shapes
- Angles in Parallel Lines
- Angles in Polygons
- Plans & Elevations
- Construction & Loci
- Area & Circumference of Circles
- Circle Sectors
- Surface Area of 3D Shapes
- Volume of 3D Shapes
- Cylinders, Cones & Spheres
- Transformations
- Bearings
- Similar Shapes
- Congruent Triangles
- Circle Theorems
- Vectors
- Geometric Proof

PROBABILITY

- Probability from a Table
- Relative Frequency
- Venn Diagrams
- Set Theory
- Frequency Trees
- Two Way Tables
- Probability Trees (Independent)
- Probability Trees (Dependent)
- Probability Equations

FORMULA VIDEOS

All the GCSE Maths
Formulas Grade 5+
(Higher & Foundation)



All the GCSE Maths
Formulas Grade 6-9
(Higher Only)

