Every Topic on the Maths GCSE
Revision Checklist (Foundation)

GCSE Maths Tutor

Number

- Multiply & Divide Decimals ☐
- Estimations ☐
- Rounding ☐
- Powers and Roots ☐
- Use of a Calculator ☐
- Combinations ☐
- FDP Conversions ☐
- Order of Operations ☐
- Negative and Fractional Indices ☐
- Highest Common Factor ☐
- Lowest Common Multiple ☐
- Product of Prime Factors ☐
- Standard Form Conversions ☐
- Standard Form Calculations ☐
- Fraction Calculations ☐
- Percentages of an Amount ☐
- Percentage Changes ☐
- Error Intervals ☐

Algebra

- Collecting Like Terms ☐
- Substitution ☐
- Using Formulae ☐
- Laws of Indices ☐
- Expanding and Simplifying ☐
- Factorising Expressions ☐
- Expanding Double Brackets ☐
- Factorising Quadratics ☐
- Rearranging Formulae ☐
- Solving Equations ☐
- Solving Quadratic Equations ☐
- Forming and Solving Equations ☐
- Linear Simultaneous Equations ☐

- Solving Linear Inequalities ☐
- Drawing Inequalities ☐
- Linear Sequences ☐
- Picture Sequences ☐
- Special Sequences ☐
- Coordinates ☐
- Drawing Linear Graphs ☐
- Interpreting the Gradient ☐
- Writing the Equation of a Line ☐
- Drawing Quadratic Graphs ☐
- Roots and Turning Points ☐
- Drawing Cubic Graphs ☐
- Drawing Reciprocal Graphs ☐

Trigonometry

- Pythagoras Theorem ☐
- SOHCAHTOA Sides Lengths ☐
- SOHCAHTOA Angles ☐
- Exact Trigonometry ☐

Revision Videos

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

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

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Statistics

- Averages ☐
- Reverse Mean ☐
- Averages from a Table ☐
- Grouped Frequency Tables ☐
- Bar Charts ☐
- Pictograms ☐
- Dual/Composite Bar Charts ☐
- Scatter Graphs ☐
- Frequency Polygons ☐
- Pie Charts ☐
- Averages from a Stem and Leaf ☐
- Sampling and Bias ☐
- ☐

Ratio & Proportion

- Simplifying a Ratio ☐
- Sharing in a Ratio ☐
- Three Part Ratios ☐
- Writing Ratios as Fractions ☐
- Recipes ☐
- Exchange Rates ☐
- Best Value Purchases ☐
- Conversion Graphs ☐
- Unit Conversions ☐
- Reverse Percentages ☐
- Simple/Compound Interest ☐
- Depreciation ☐
- Direct Proportion in context ☐
- Inverse Proportion in context ☐
- Distance-Time Graphs ☐
- Speed, Distance & Time ☐
- Mass, Density & Volume ☐
- Pressure, Force & Area ☐

Geometry

- Triangles & Quadrilaterals ☐
- Area of 2D Shapes ☐
- Angles in Parallel Lines ☐
- Angles in Polygons ☐
- Plans & Elevations ☐
- Constructions ☐
- Perpendicular/Angle Bisectors ☐
- Solving Loci Problems ☐
- Area & Circumference of Circles ☐
- Circle Sectors ☐
- Surface Area of 3D Shapes ☐
- Volume of 3D Shapes ☐
- Cylinders, Cones & Spheres ☐
- Transformations ☐
- Bearings ☐
- Similar Shapes ☐
- Congruent Triangles ☐
- Column Vectors ☐

Probability

- Writing Probabilities ☐
- Probability from a Table ☐
- Venn Diagrams ☐
- Set Theory ☐
- Frequency Trees ☐
- Two Way Tables ☐
- Probability Trees (Fractions) ☐
- Probability Trees (Decimals) ☐

Formula Videos

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

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