

**TGMT**

**REVISION**

**CHECKLIST**

**FOR GCSE MATHS**

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

**FOUNDATION TIER**

**[WWW.THEGCSEMATHSTUTOR.CO.UK](http://WWW.THEGCSEMATHSTUTOR.CO.UK)**

# EVERY TOPIC ON THE MATHS GCSE

## REVISION CHECKLIST (FOUNDATION)



### NUMBER

- ☐ Multiply 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)



# EVERY TOPIC ON THE MATHS GCSE

## REVISION CHECKLIST (FOUNDATION)



### 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 ☐

### SUBSCRIBE

The GCSE Maths  
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### 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)

