

**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  
Tutor YouTube  
Channel



### 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)

