

REVISION CHECKLIST

FOR GCSE MATHS

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

FOUNDATION TIER

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EVERY TOPIC ON THE MATHS GCSE

REVISION CHECKLIST (FOUNDATION)

ALGEBRA



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**

Collecting Like Terms	Solving Linear Inequalities
Substitution	Drawing Inequalities
Using Formulae	Linear Sequences
Laws of Indices	Picture Sequences
Expanding and Simplifying	Special Sequences
Factorising Expressions	Coordinates
Expanding Double Brackets	Drawing Linear Graphs
Factorising Quadratics	Interpreting the Gradient
Rearranging Formulae	Writing the Equation of a Line
Solving Equations	Drawing Quadratic Graphs
Solving Quadratic Equations	Roots and Turning Points
Forming and Solving Equations	Drawing Cubic Graphs
Linear Simultaneous Equations	Drawing Reciprocal Graphs

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TRIGONOMETRY

Pythagoras Theorem	C
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)

GEOMETRY

Triangles & Quadrilaterals

Area of 2D Shapes

Angles in Polygons

Plans & Elevations

Solving Loci Problems

Surface Area of 3D Shapes

Cylinders, Cones & Spheres

Volume of 3D Shapes

Transformations

Similar Shapes

Column Vectors

Congruent Triangles

Bearings

Constructions

Circle Sectors

Angles in Parallel Lines

Perpendicular/Angle Bisectors

Area & Circumference of Circles



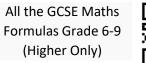
PROBABILITY

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



All the GCSE Maths Formulas Grade 5+ (Higher & 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	



The GCSE Maths Tutor YouTube Channel



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** П **Distance-Time Graphs** Speed, Distance & Time Mass, Density & Volume Pressure, Force & Area

RATIO & PROPORTION