

GCSE Mathematics

Revision List

Higher

Electronic copy contains links to Maths genie videos

Dates of examinations:

Paper 1 (Non-calculator)

Friday 19th May 2023

Paper 2 (Calculator)

Wednesday 7th June 2023

Paper 3 (Calculator)

Wednesday 14th June 2023

Revised		Grade 4			
In Class	At Home	Videos	Exam Questions	Exam Questions Booklet	Solutions
		Compound Interest and Depreciation	Exam Questions	Compound Interest and Depreciation	Solutions
Y		Indices	Exam Questions	Indices	Solutions
		Prime Factors, HCF and LCM	Exam Questions	HCF, LCM	Solutions
		Real Life and Distance Time Graphs		Real Life Graphs	Solutions
Y		Inequalities	Exam Questions	Inequalities	Solutions
		Forming and Solving Equations	Exam Questions	Forming and Solving Equations	Solutions
		Sequences (Nth Term)	Exam Questions	Sequences (nth term)	Solutions
		Expanding and Factorising	Exam Questions	Expand and Factorise	Solutions
		Pythagoras	Exam Questions	Pythagoras	Solutions
		Angles in Parallel Lines	Exam Questions	Angles in Parallel Lines	Solutions
		Angles in Polygons	Exam Questions	Angles in Polygons	Solutions
		Surface Area	Exam Questions	Surface Area	Solutions
Y		Volume of a Prism	Exam Questions	Volume of Prisms	Solutions
		<u>Cylinders</u>	Exam Questions	Volume and Surface Area of Cylinders	Solutions
		Loci and Construction		Loci and Construction	Solutions
		<u>Bearings</u>		Bearings	Solutions
Y		Plans and Elevations	Exam Questions	Plans and Elevations	Solutions
		Averages from Frequency Tables	Exam Questions	Averages from Frequency Tables	Solutions
		<u>Probability</u>	Exam Questions	Probability and Relative Frequency	Solutions
		Scatter Graphs		Scatter Graphs	Solutions

Revised		Grade 5				
In Class	At Home	Videos	Exam Questions	Exam Questions Booklet	Solutions	
Y		Writing a Ratio as a Fraction or Linear Function	Exam Questions	Ratio Fraction Problems	Solutions	
Y		whing a Ralio as a Fraction of Linear Function	Exam Questions	Ratio Problems 2	Solutions	
Y		Direct and Inverse Proportion	Exam Questions	Direct and Inverse Proportion	Solutions	
		Reverse Percentages	Exam Questions	Reverse Percentages	Solutions	
		Standard Form	Exam Questions	Standard Form	Solutions	
Y		Speed and Density	Exam Questions	Compound Measures	Solutions	
Y		Changing the Subject of a Formula	Exam Questions	Changing the Subject of a Formula	Solutions	
Y		Expanding and Factorising Quadratics	Exam Questions	Expanding and Factorising Quadratics	Solutions	
		Solving Quadratics	Exam Questions	Solving Quadratics	Solutions	
		Drawing Quadratic Graphs		Quadratic Graphs	Solutions	
		Drawing Other Graphs: Cubic/Reciprocal		Cubic/Reciprocal Graphs	Solutions	
		Simultaneous Equations	Exam Questions	Simultaneous Equations	Solutions	
		Solving Simultaneous Equations Graphically	Exam Questions	Solving Simultaneous Equations Graphically	Solutions	
		Midpoint of a Line Segment				
		Gradient of a Line	Exam Questions	Gradient of a Line	Solutions	
		Equation of a Line	Exam Questions	Equation of a Line	Solutions	
Y		Spheres and Cones	Exam Questions	Spheres and Cones	Solutions	
		Sector Areas and Arc Lengths	Exam Questions	Sectors and Arcs	Solutions	
Y		Similar Shapes (Lengths)	Exam Questions	Similar Shapes (Lengths)	Solutions	
Y		SOHCAHTOA (Trigonometry)	Exam Questions	<u>SOHCAHTOA</u>	Solutions	
Y		Exact trig values	Exam Questions	Exact trig values	Solutions	
Y		Vectors		Vectors	Solutions	
Y		Probability Trees	Exam Questions	Probability Trees	Solutions	
		Venn Diagrams	Exam Questions	Venn Diagrams	Solutions	

Higher content only (not cross over)

Revised		Grade 6			
In Class	At Home	Videos	Exam Questions	Exam Questions Booklet	Solutions
		Recurring Decimals to Fractions	Exam Questions	Converting Recurring Decimals to Fractions	<u>Solutions</u>
Y		Fractional and Negative Indices	Exam Questions	Fractional and Negative Indices	Solutions
Y		The Product Rule for Counting	Exam Questions	The Product Rule for Counting	Solutions
		Repeated Percentage Change	Exam Questions	Repeated Percentage Change	Solutions
		Expanding Triple Brackets	Exam Questions	Expanding Triple Brackets	Solutions
Y		Parallel and Perpendicular Lines	Exam Questions	Parallel and Perpendicular Lines	Solutions
Y		Inequalities on Graphs		Inequalities on Graphs	Solutions
Y		Similar Shapes (Area and Volume)	Exam Questions	Similar Shapes (Area and Volume)	Solutions
Y		Enlarging with Negative Scale Factors		Enlarging with Negative Scale Factors	Solutions
		Circle Theorems	Exam Questions	Circle Theorems	Solutions
		Cumulative Frequency		Cumulative Frequency	Solutions
		Box Plots	Exam Questions	Box Plots	Solutions
		Capture Recapture	Exam Questions	Capture Recapture	Solutions

Revised		Grade 7				
In Class	At Home	Videos	Exam Questions	Exam Questions Booklet	Solutions	
Y		<u>Surds</u>	Exam Questions	Surds	Solutions	
Y		Bounds	Exam Questions	Bounds	Solutions	
		Direct and Inverse Proportion	Exam Questions	Direct and Inverse Proportion	Solutions	
		Quadratic Formula	Exam Questions	Quadratic Formula	Solutions	
Y		Factorising Harder Quadratics	Exam Questions	Factorising Harder Quadratics	Solutions	
Y		Algebraic Fractions	Exam Questions	Algebraic Fractions	Solutions	
Y		Rearranging Harder Formulae	Exam Questions	Rearranging Harder Formulae	Solutions	
		Trigonometric and Exponential Graphs		Harder Graphs: Trig/Exponential	Solutions	
		Inverse and Composite Functions	Exam Questions	Inverse and Composite Functions	Solutions	
Y		Iteration	Exam Questions	Solving Equations using Iteration	Solutions	
		Finding the Area of Any Triangle	Exam Questions	Finding the Area of Any Triangle	Solutions	
Y		The Sine Rule	Exam Questions	The Sine Rule	Solutions	
Y		The Cosine Rule	Exam Questions	The Cosine Rule	Solutions	
Y		Congruent Triangles	Exam Questions	Congruent Triangles	Solutions	
		3d Pythagoras and Trigonometry	Exam Questions	3d Pythagoras and Trigonometry	Solutions	
Y		Histograms		Histograms	Solutions	
Y		Conditional Probability	Exam Questions	Conditional Probability	Solutions	

Revised		Grade 8/9			
In Class	At Home	Videos	Exam Questions	Exam Questions Booklet	Solutions
		Quadratic Simultaneous Equations	Exam Questions	Quadratic Simultaneous Equations	Solutions
Y		Transforming Graphs y=f(x)		Transforming Graphs y=f(x)	Solutions
Y		Proof	Exam Questions	Proof	Solutions
		Completing the Square	Exam Questions	Completing the Square	Solutions
		The Nth Term of a Quadratic Sequence	Exam Questions	Quadratic Sequences	Solutions
		Quadratic Inequalities	Exam Questions	Quadratic Inequalities	Solutions
		Velocity Time Graphs		Velocity Time Graphs	Solutions
		Proof of the Circle Theorems	Exam Questions	Proof of the Circle Theorems	Solutions
Y		Perpendicular Lines and the equation of a tangent	Exam Questions	Perpendicular Lines	<u>Solutions</u>
Y		Vectors Proof Questions	Exam Questions	Vectors	Solutions
		Probability Equation Questions	Exam Questions	Probability Equation Questions	Solutions