




# GCSE Maths Self Assessment




Name:

Date:




## Grades 1 and 2

Topic	Example(s)	Exam Questions	Solutions			
Addition and Subtraction	<a href="#">Revision</a>	<a href="#">Addition and Subtraction</a>	<a href="#">Solutions</a>			
Multiplication and Division	<a href="#">Revision</a>	<a href="#">Multiplication and Division</a>	<a href="#">Solutions</a>			
Rounding	<a href="#">Revision</a>					
Estimating	<a href="#">Revision</a>					
Powers and Roots	<a href="#">Revision</a>	<a href="#">Powers and Square Roots</a>	<a href="#">Solutions</a>			
Factors and Multiples	<a href="#">Revision</a>	<a href="#">Factors, Multiples and Primes</a>	<a href="#">Solutions</a>			
Fractions of an Amount	<a href="#">Revision</a>	<a href="#">Fractions of an Amount</a>	<a href="#">Solutions</a>			
Fractions, Decimals and Percentages	<a href="#">Revision</a>	<a href="#">Fractions, Decimals and Percentages</a>	<a href="#">Solutions</a>			
Negative Numbers	<a href="#">Revision</a>	<a href="#">Negative Numbers</a>	<a href="#">Solutions</a>			
BIDMAS	<a href="#">Revision</a>	<a href="#">BIDMAS</a>	<a href="#">Solutions</a>			
Simplifying Algebra	<a href="#">Revision</a>	<a href="#">Collecting Like Terms</a>	<a href="#">Solutions</a>			
Angles	<a href="#">Revision</a>	<a href="#">Angles</a>	<a href="#">Solutions</a>			
Area	<a href="#">Revision</a>	<a href="#">Perimeter, Area and Volume</a>	<a href="#">Solutions</a>			
Perimeter	<a href="#">Revision</a>					
Area of a Trapezium	<a href="#">Revision</a>					
Averages	<a href="#">Revision</a>	<a href="#">Mean, Median, Mode and Range</a>	<a href="#">Solutions</a>			
Frequency Polygons	<a href="#">Revision</a>	<a href="#">Frequency Polygons</a>	<a href="#">Solutions</a>			
Stem and Leaf	<a href="#">Revision</a>	<a href="#">Stem and Leaf</a>	<a href="#">Solutions</a>			
Pie Charts		<a href="#">Pie Charts</a>	<a href="#">Solutions</a>			

## Grade 3




Topic	Example(s)	Exam Questions	Solutions			
Fractions	<a href="#">Revision</a>	<a href="#">Fractions</a>	<a href="#">Solutions</a>			
Writing and Simplifying Ratio	<a href="#">Revision</a>					
Ratio	<a href="#">Revision</a>	<a href="#">Ratio</a>	<a href="#">Solutions</a>			
Writing a Ratio as a Fraction or Linear Function	<a href="#">Revision</a>					
Proportion	<a href="#">Revision</a>	<a href="#">Proportion Ingredients Questions</a>	<a href="#">Solutions</a>			
Percentages	<a href="#">Revision</a>	<a href="#">Percentages</a>	<a href="#">Solutions</a>			
Percentage Change	<a href="#">Revision</a>					
Exchange Rates	<a href="#">Revision</a>	<a href="#">Exchange Rates</a>	<a href="#">Solutions</a>			
Best Buy Questions	<a href="#">Revision</a>	<a href="#">Best Buys</a>	<a href="#">Solutions</a>			
Substitution	<a href="#">Revision</a>	<a href="#">Substitution</a>	<a href="#">Solutions</a>			
Solving Equations	<a href="#">Revision</a>					
Solving Equations with an Unknown on Both Sides	<a href="#">Revision</a>	<a href="#">Solving Equations</a>	<a href="#">Solutions</a>			
Drawing Graphs	<a href="#">Revision</a>	<a href="#">Drawing Graphs</a>	<a href="#">Solutions</a>			
Area and Circumference of Circles	<a href="#">Revision</a>	<a href="#">Circles</a>	<a href="#">Solutions</a>			
Transformations	<a href="#">Revision</a>	<a href="#">Rotations</a>	<a href="#">Rotations Solutions</a>			
		<a href="#">Reflections</a>	<a href="#">Reflections Solutions</a>			
		<a href="#">Enlargements</a>	<a href="#">Enlargements Solutions</a>			
		<a href="#">Translations</a>	<a href="#">Translations Solutions</a>			
		<a href="#">Mixed Transformations</a>	<a href="#">Mixed Transformations Solutions</a>			
Area of Compound Shapes	<a href="#">Revision</a>	<a href="#">Area of Compound Shapes</a>	<a href="#">Solutions</a>			
Probability	<a href="#">Revision</a>	<a href="#">Probability</a>	<a href="#">Solutions</a>			
Two Way Tables	<a href="#">Revision</a>					

## Grade 4




Topic	Example(s)	Exam Questions	Solutions			
Compound Interest and Depreciation	<a href="#">Revision</a>	<a href="#">Compound Interest and Depreciation</a>	<a href="#">Solutions</a>			
Indices	<a href="#">Revision</a>	<a href="#">Indices</a>	<a href="#">Solutions</a>			
HCF and LCM	<a href="#">Revision</a>	<a href="#">HCF, LCM</a>	<a href="#">Solutions</a>			
Functional Maths Questions		<a href="#">Functional Questions</a>	<a href="#">Solutions</a>			
Inequalities	<a href="#">Revision</a>	<a href="#">Inequalities</a>	<a href="#">Solutions</a>			
Inequalities on Graphs	<a href="#">Revision</a>	<a href="#">Inequalities on Graphs</a>	<a href="#">Solutions</a>			
Forming and Solving Equations	<a href="#">Revision</a>	<a href="#">Forming and Solving Equations</a>	<a href="#">Solutions</a>			
Types of Sequences	<a href="#">Revision</a>					
Generating Sequences	<a href="#">Revision</a>					
Sequences (Nth Term)	<a href="#">Revision</a>	<a href="#">Sequences (nth term)</a>	<a href="#">Solutions</a>			
Expanding and Factorising	<a href="#">Revision</a>	<a href="#">Expand and Factorise</a>	<a href="#">Solutions</a>			
Pythagoras	<a href="#">Revision</a>	<a href="#">Pythagoras</a>	<a href="#">Solutions</a>			
Angle Problems	<a href="#">Revision</a>	<a href="#">Angles</a>	<a href="#">Solutions</a>			
Angles in Parallel Lines	<a href="#">Revision</a>	<a href="#">Angles in Parallel Lines</a>	<a href="#">Solutions</a>			
Angles in Polygons	<a href="#">Revision</a>	<a href="#">Angles in Polygons</a>	<a href="#">Solutions</a>			
Surface Area	<a href="#">Revision</a>	<a href="#">Surface Area</a>	<a href="#">Solutions</a>			
Volume of Prisms	<a href="#">Revision</a>	<a href="#">Volume of Prisms</a>	<a href="#">Solutions</a>			
Cylinders	<a href="#">Revision</a>	<a href="#">Volume and Surface Area of Cylinders</a>	<a href="#">Solutions</a>			
Loci and Construction	<a href="#">Revision</a>	<a href="#">Loci and Construction</a>	<a href="#">Solutions</a>			

Bearings	<a href="#">Revision</a>	<a href="#">Bearings</a>	<a href="#">Solutions</a>			
Averages from Frequency Tables	<a href="#">Revision</a>	<a href="#">Averages from Frequency Tables</a>	<a href="#">Solutions</a>			
Probability	<a href="#">Revision</a>	<a href="#">Probability</a>	<a href="#">Solutions</a>			
Scatter Graphs	<a href="#">Revision</a>	<a href="#">Scatter Graphs</a>	<a href="#">Solutions</a>			




## Grade 5

Topic	Example(s)	Exam Questions	Solutions			
Reverse Percentages	<a href="#">Revision</a>	<a href="#">Reverse Percentages</a>	<a href="#">Solutions</a>			
Standard Form	<a href="#">Revision</a>	<a href="#">Standard Form</a>	<a href="#">Solutions</a>			
Speed and Density	<a href="#">Revision</a>	<a href="#">Speed and Density</a>	<a href="#">Solutions</a>			
Changing the Subject of a Formula	<a href="#">Revision</a>	<a href="#">Changing the Subject of a Formula</a>	<a href="#">Solutions</a>			
Expanding and Factorising Quadratics	<a href="#">Revision</a>	<a href="#">Expanding and Factorising Quadratics</a>	<a href="#">Solutions</a>			
Solving Quadratics	<a href="#">Revision</a>	<a href="#">Solving Quadratics</a>	<a href="#">Solutions</a>			
Drawing Quadratic Graphs	<a href="#">Revision</a>	<a href="#">Drawing Quadratic Graphs</a>	<a href="#">Solutions</a>			
Drawing Other Graphs: Cubic/Reciprocal	<a href="#">Revision</a>	<a href="#">Cubic/Reciprocal Graphs</a>	<a href="#">Solutions</a>			
Simultaneous Equations	<a href="#">Revision</a>	<a href="#">Simultaneous Equations</a>	<a href="#">Solutions</a>			
Solving Simultaneous Equations Graphically	<a href="#">Revision</a>	<a href="#">Solving Simultaneous Equations Graphically</a>	<a href="#">Solutions</a>			
Midpoint of a Line Segment	<a href="#">Revision</a>					
Gradient of a Line	<a href="#">Revision</a>					
Equation of a Line	<a href="#">Revision</a>	<a href="#">Equation of a Line</a>	<a href="#">Solutions</a>			
Spheres and Cones	<a href="#">Revision</a>	<a href="#">Spheres and Cones</a>	<a href="#">Solutions</a>			
Sector Areas and Arc Lengths	<a href="#">Revision</a>	<a href="#">Sectors and Arcs</a>	<a href="#">Solutions</a>			
Similar Shapes (Lengths)	<a href="#">Revision</a>	<a href="#">Similar Shapes (Lengths)</a>	<a href="#">Solutions</a>			
SOHCAHTOA	<a href="#">Revision</a>	<a href="#">SOHCAHTOA</a>	<a href="#">Solutions</a>			
Exact trig values	<a href="#">Revision</a>					
Congruent Triangles	<a href="#">Revision</a>	<a href="#">Congruent Triangles</a>	<a href="#">Solutions</a>			
Probability Trees	<a href="#">Revision</a>	<a href="#">Probability Trees</a>	<a href="#">Solutions</a>			
Venn Diagrams	<a href="#">Revision</a>	<a href="#">Venn Diagrams</a>	<a href="#">Solutions</a>			




## Grade 6

Topic	Example(s)	Exam Questions	Solutions			
Recurring Decimals to Fractions	<a href="#">Revision</a>	<a href="#">Converting Recurring Decimals to Fractions</a>	<a href="#">Solutions</a>			
Fractional and Negative Indices	<a href="#">Revision</a>	<a href="#">Fractional and Negative Indices</a>	<a href="#">Solutions</a>			
The Product Rule for Counting	<a href="#">Revision</a>					
Parallel and Perpendicular Lines	<a href="#">Revision</a>					
Length of a Line	<a href="#">Revision</a>					
Similar Shapes (Area and Volume)	<a href="#">Revision</a>	<a href="#">Similar Shapes (Area and Volume)</a>	<a href="#">Solutions</a>			
Enlarging with Negative Scale Factors		<a href="#">Enlarging with Negative Scale Factors</a>	<a href="#">Solutions</a>			
Circle Theorems	<a href="#">Revision</a>	<a href="#">Circle Theorems</a>	<a href="#">Solutions</a>			
Cumulative Frequency and Box Plots	<a href="#">Revision</a>	<a href="#">Cumulative Frequency and Box Plots</a>	<a href="#">Solutions</a>			

## Grade 7

Topic	Example(s)	Exam Questions	Solutions			
Surds	<a href="#">Revision</a>	<a href="#">Surds</a>	<a href="#">Solutions</a>			
Bounds	<a href="#">Revision</a>	<a href="#">Bounds</a>	<a href="#">Solutions</a>			
Direct and Inverse Proportion	<a href="#">Revision</a>	<a href="#">Direct and Inverse Proportion</a>	<a href="#">Solutions</a>			
Quadratic Formula	<a href="#">Revision</a>	<a href="#">Quadratic Formula</a>	<a href="#">Solutions</a>			
Factorising Harder Quadratics	<a href="#">Revision</a>					
Algebraic Fractions	<a href="#">Revision</a>	<a href="#">Algebraic Fractions</a>	<a href="#">Solutions</a>			
Rearranging Harder Formulae	<a href="#">Revision</a>	<a href="#">Rearranging Harder Formulae</a>	<a href="#">Solutions</a>			
Harder Graphs: Trig/Exponential	<a href="#">Revision</a>	<a href="#">Harder Graphs: Trig/Exponential</a>	<a href="#">Solutions</a>			
Inverse and Composite Functions	<a href="#">Revision</a>	<a href="#">Inverse and Composite Functions</a>	<a href="#">Solutions</a>			
Solving Equations using Iteration	<a href="#">Revision</a>	<a href="#">Solving Equations using Iteration</a>	<a href="#">Solutions</a>			
Sine Rule, Cosine Rule, Area of Any Triangle	<a href="#">Revision</a>	<a href="#">Sine Rule, Cosine Rule, Area of Any Triangle</a>	<a href="#">Solutions</a>			
3d Pythagoras	<a href="#">Revision</a>	<a href="#">3d Pythagoras</a>	<a href="#">Solutions</a>			
Vectors	<a href="#">Revision</a>	<a href="#">Vectors</a>	<a href="#">Solutions</a>			
Histograms	<a href="#">Revision</a>	<a href="#">Histograms</a>	<a href="#">Solutions</a>			
Venn Diagrams ("Given that" questions)	<a href="#">Revision</a>	<a href="#">Venn Diagrams</a>	<a href="#">Solutions</a>			

## Grade 8/9

Topic	Example(s)	Exam Questions	Solutions			
Simultaneous Equations with a Quadratic	<a href="#">Revision</a>	<a href="#">Simultaneous Equations with a Quadratic</a>	<a href="#">Solutions</a>			
Transforming Graphs $y=f(x)$	<a href="#">Revision</a>	<a href="#">Transforming Graphs <math>y=f(x)</math></a>	<a href="#">Solutions</a>			
Proof	<a href="#">Revision</a>	<a href="#">Proof</a>	<a href="#">Solutions</a>			
Completing the Square	<a href="#">Revision</a>	<a href="#">Completing the Square</a>	<a href="#">Solutions</a>			
The Nth Term of a Quadratic Sequence	<a href="#">Revision</a>	<a href="#">Quadratic Sequences</a>	<a href="#">Solutions</a>			
Quadratic Inequalities	<a href="#">Revision</a>	<a href="#">Quadratic Inequalities</a>	<a href="#">Solutions</a>			
Velocity Time Graphs	<a href="#">Revision</a>	<a href="#">Velocity Time Graphs</a>	<a href="#">Solutions</a>			
Proof of the Circle Theorems	<a href="#">Revision</a>	<a href="#">Proof of the Circle Theorems</a>	<a href="#">Solutions</a>			
Perpendicular Lines and the equation of a tangent	<a href="#">Revision</a>	<a href="#">Perpendicular Lines</a>	<a href="#">Solutions</a>			