

Maths Topic	Confidence Level		
	Red	Amber	Green
Foundation/Higher			
1 – Place Value			
2 – Ordering Integers			
3 – Ordering Decimals			
4 – Reading Scales			
5 – Simple Mathematical Notation			
6a – Interpreting Real-Life Tables – Time			
6b – Interpreting Real-Life Tables – Timetables and Distance Tables			
17 – Adding Integers and Decimals			
18 – Subtracting Integers and Decimals			
19 – Multiplying Integers			
20 – Dividing Integers			
21 – Inverse Operations			
22a – Money Questions – Non-Calculator Questions			
22b – Money Questions – Calculator Questions			
23 – Negatives in Real Life			
24 – Introduction to Fractions			
25 – Equivalent Fractions			
26 – Simplifying Fractions			
27 – Half-Way Values			
28 – Factors, Multiples and Primes			
29 – Introduction to Powers/Indices			
30 – Multiplying and Dividing by Powers of 10			
31 – Rounding to the Nearest 10, 100, 1000			
32 – Rounding to Decimal places			
66 – Multiplying Decimals			
67 – Dividing Decimals			
68a – Four Rules of Negatives – Adding and Subtracting			
68b – Four Rules of Negatives – Multiplying and Dividing			
69 – Listing Strategies			
70 – Comparing Fractions			
71a – Adding and Subtracting Fractions – A Standard Method			
71b – Adding and Subtracting Fractions – An Alternative Method			
72 – Finding a Fraction of an Amount			
73 – Multiplying Fractions			
74 – Dividing Fractions			
75 – BODMAS/BIDMAS			
76 – Reciprocals			
77 – Calculator Questions			
78 – Product of Primes			
79 – Highest Common Factor (HCF)			
80 – Lowest Common Multiple (LCM)			
81 – Squares, Cubes and Roots			

82 – Working with Indices			
83 – Standard Form			
84 – Decimals and Fractions			
85 – Fractions, Percentages, Decimals			
86 – Percentage of an Amount (Calc.)			
87 – Percentage of an Amount (Non-Calc.)			
88 – Change to a Percentage (Calc.)			
89 – Change to a Percentage (Non-Calc.)			
90 – Rounding to Significant Figures			
91 – Estimating Answers			
92 – Using Place Value			
131 – Index Notation			
132 – Introduction to Bounds			
154 – Negative Indices			
155 – Error Intervals			
156 – Mathematical Reasoning			
Higher			
177 – Recurring Decimals to Fractions			
188 – Fractional Indices			
189 – Recurring Decimals – Proof			
206 – Upper and Lower Bounds			
207a – Surds – Introduction to Surds			
207b – Surds – Surd Expressions			
207c – Surds – Rationalising the Denominator			
Foundation/Higher			
7 – Introduction to Algebraic Conventions			
8 – Coordinates			
33 – Simplifying – Addition and Subtraction			
34 – Simplifying – Multiplication			
35 – Simplifying – Division			
36 – Function Machines			
37 – Generating a Sequence – Term to Term			
93 – Expanding Brackets			
94 – Simple Factorisation			
95 – Substitution			
96 – Straight Line Graphs			
97 – The Gradient of a Line			
98 – Drawing Quadratic Graphs			
99 – Sketching Functions			
100 – Solving Equations using Flowcharts			
101 – Subject of a Formula using Flowcharts			
102 – Generating a Sequence from the nth Term			
103 – Finding the nth Term			
104 – Special Sequences			
133 – Midpoint of a Line on a Graph			
134a – Expanding and Simplifying Brackets – Single Set of Brackets			

134b – Expanding and Simplifying Brackets – Double Set of Brackets			
135a – Solving Equations – Balancing			
135b – Solving Equations – Float & Ping			
136 – Rearranging Simple Formulae			
137 – Forming Formulae and Equations			
138 – Inequalities on a Number Line			
139 – Solve Linear Inequalities			
140 – Simultaneous Equations Graphically			
141 – Fibonacci Sequences			
157 – Factorising and Solving Quadratics			
158 – The Difference of Two Squares			
159a – Finding the Equation of a Straight Line – $y=mx+c$			
159b – Finding the Equation of a Straight Line – Gradient and Coordinates			
160 – Roots and Turning Points of Quadratics			
161 – Cubic and Reciprocal Graphs			
162 – Simultaneous Equations Algebraically			
163 – Geometric Progressions			
Higher			
178 – Product of Three Binomials			
179 – Iteration – Trial and Improvement			
180 – Iterative Processes			
190 – Rearranging difficult Formulae			
191 – Solving Quadratics with the Formula			
192 – Factorising Hard Quadratics			
193 – Algebraic Proof			
194 – Exponential Functions			
195a – Trigonometric Graphs – Sine and Cosine			
195b – Trigonometric Graphs – Tangent			
196a – Transformation of Functions – Polynomial Functions			
196b- Transformation of Functions – Trigonometric Functions			
197 – Equation of a Circle			
198 – Regions			
208 – Perpendicular Lines			
209a – Completing the Square – Basics			
209b – Completing the Square – Solving			
209c – Completing the Square – Sketching			
210a – Algebraic Fractions – Simplifying			
210b – Algebraic Fractions – Solving			
211 – Simultaneous Equations with a Quadratic			
212 – Solve Quadratic Inequalities			
213 – Finding the nth Term of a Quadratic			
214a – Inverse Functions – Introduction			
214b – Inverse Functions – Harder Questions			
7 – Introduction to Algebraic Conventions			
Higher			

Composite Functions			
Velocity-Time Graphs			
<u>Foundation/Higher</u>			
38 – Introduction to Ratio			
39 – Using Ratio for Recipe Questions			
40 – Introduction to Percentages			
41 – Value for Money			
42 – Simple Proportion			
105 – Exchanging Money			
106 – Sharing using Ratio			
107 – Ratios, Fractions and Graphs			
108 – Increase/Decrease by a Percentage			
109 – Percentage Change			
110 – Reverse Percentage Problems			
111 – Simple Interest			
142 – Compound Units			
143 – Distance – Time Graphs			
144 – Similar Shapes			
164 – Compound Interest and Depreciation			
<u>Higher</u>			
199 – Direct and Inverse Proportion			
<u>Foundation/Higher</u>			
9 – Simple Geometric Definitions			
10 – Polygons			
11 – Symmetries			
12a – Tessellations and Congruency – Tessellations			
12b – Tessellations and Congruency – Congruent Shapes			
13 – Names of Angles			
43 – Properties of Solids			
44 – Nets			
45 – Angles on a Line at a Point			
46a – Measuring and drawing Angles – Measuring			
46b – Measuring and drawing Angles – Drawing			
47 – Drawing a Triangle Using a Protractor			
48 – Reflections			
49 – Rotations			
50 – Translations			
51 – Plans and Elevations			
52 – Perimeters			
53 – Area of a Rectangle			
54 – Area of a Triangle			
55 – Area of a Parallelogram			
56 – Area of a Trapezium			
112 – Metric conversions			
113 – Problems on Coordinate Axes			
114a – Surface Area of a Prism – Cuboids			

114b – Surface Area of a Prism – Triangular Prisms			
115 – Volume of a Cuboid			
116 – Circle Definitions			
117 – Area of a Circle			
118 – Circumference of a Circle			
119 – Volume of a Prism			
120 – Angles and Parallel Lines			
121 – Angles in a Triangle			
122 – Properties of Special Triangles			
123 – Angle Sum of Polygons			
124 – Bearings			
145 – Bisecting an Angle			
146a – Constructing Perpendiculars – Bisecting a Line			
146b – Constructing Perpendiculars – From any Point			
147 – Draw a Triangle Using Compasses			
148 – Enlargements			
149 – Tangents, Arcs, Sectors and Segments			
150a – Pythagoras’ Theorem – A Simple Approach			
150b – Pythagoras’ Theorem – An Algebraic Approach			
150c – Pythagoras’ Theorem – Line on a Graph			
165 – Loci			
7 – Introduction to Algebraic Conventions			
166 – Congruent triangles			
167 – Sectors of a Circle			
168 – Trigonometry			
169 – Spheres			
170 – Pyramids			
171 – Cones			
172 – Frustums			
173 – Exact Trigonometric Values			
174 – Introduction to Vectors			

Higher			
181a – Enlargement – Negative Scale Factor – Using Construction Lines			
181b – Enlargement – Negative Scale Factor – Using Column Vectors			
182 – Combinations of Transformations			
183 – Circle Theorems			
184 – Proof of Circle Theorems			
200 – Similarity – Area and Volume			
201 – The Sine Rule			
202 – The Cosine Rule			
203 – Area of a Triangle Using Sine			
217 – Pythagoras in 3D			
218 – Trigonometry in 3D			

219 – Vectors			
Foundation/Higher			
14 – The Probability Scale			
15 – Tally Charts and Bar Charts			
16 – Pictograms			
57 – Frequency Trees			
58 – Listing Outcomes			
59 – Calculating Probabilities			
60 – Mutually Exclusive Events			
61 – Two-way Tables			
62 – Averages and the Range			
63 – Data – Discrete and Continuous			
64 – Vertical Line Charts			
65 – Frequency Tables and Diagrams			
125 – Experimental Probabilities			
126 – Possibility Spaces			
127a – Venn Diagrams – Introduction			
127b – Venn Diagrams – Notation			
128a – Representing Data – Pie Charts			
128b – Representing Data – Stem and Leaf Diagrams			
130a – Averages from a table – Basics			
130b – Averages from a table – Estimate for the Mean			
151 – Simple Tree Diagrams			
152 – Sampling Populations			
153 – Time Series			
175 – Harder Tree Diagrams			
176 – Stratified sampling			
Higher			
185 – Probability using Venn Diagrams			
186 – Cumulative Frequency			
187 – Boxplots			
204 – And and Or Probability Questions			
205 - Histograms			