Maths Genie Grade Reference http://www.mathsgenie.co.uk/gcse.html

Grade 1 - 2 (The basics)	Paper Set 1			Paper Set 2			Paper Set 3			Paper Set 4			Paper Set 5			Paper Set 6		
	1H	2H	3H	1H	2H	3H	1H	2H	3H	1H	2H	3H	1H	2H	3H	1H	2H	3H
Addition and Subtraction																		
Multiplication and Division																		
Rounding																		
Estimating										8								
Powers and Roots																		
Factors and Multiples																		
Fractions of an Amount	8			4	4				4			2						1
Fractions, Decimals and Percentages																		
Negative Numbers																		
BIDMAS																		
Simplifying Algebra																		
Angles																		
Area																	6	
Perimeter																		
Area of a Trapezium								21							5		13	7a
Averages				5				11				7					3	
Frequency Polygons	9						5								2			
Stem and Leaf																		
Pie Charts																		

Grade 3	Paper Set 1			Paper Set 2			Paper Set 3			Paper Set 4			Paper Set 5			Paper Set 6		
	1H	2H	3H	1H	2H	3H	1H	2H	3H	1H	2H	3H	1H	2H	3H	1H	2H	3H
Fractions		5				4	2						6			7		1
Writing and Simplifying Ratio																		
Ratio	7		3		4				4			10	4	2		8		
Writing a Ratio as a Fraction or Linear Function																		
Proportion							3					10						
Percentages		2, 9	4		4		4,6		4,18			2			7			
Percentage Change					1b													
Exchange Rates		1															11	
Best Buy Questions																		
Substitution																		
Solving Equations			7															
Solving Equations with an Unknown on Both Sides															9a			
Drawing Graphs																3		
Area and Circumference of Circles			6		5				8					10				6
Transformations	Q5		10					12		10					12			
Area of Compound Shapes																5		
Probability						2				3	8		4			10		
Two Way Tables																		

Grade 4	Paper Set 1			Paper Set 2			Paper Set 3			Paper Set 4			Paper Set 5			Paper Set 6		
	1H	2H	3H	1H	2H	3H	1H	2H	3H	1H	2H	3H	1H	2H	3H	1H	2H	3H
Compound Percentages and Depreciation			8	3		7		2	11		11			5				5
Indices	6b			7		16						4a		6a-c				
HCF and LCM			2	9	2		8			3			1					10
Functional Maths Questions																		
Inequalities	4			8					1		7		7					8
Inequalities on Graphs										11								
Forming and Solving Equations		5, 6	5,9a,13		8,14a	10a	8	8,14		4	3,13		14	6, 9a	13	4	1	7,a
Types of Sequences																		
Generating Sequences		10																
Sequences (Nth Term)						8												
Pascal's and Fermion's							7						11					
Pythagoras		3			3									10			6a,6	6
Angle Problems								9										
Angles in Parallel Lines			5		9							3						
Angles in Polygons													14	4				
Surface Area																		
Volume of Prisms	3				21b		10		8			5	17				5, 14	
Cylinders									9								14	
Loci and Construction								8	4							1		
Bearings								17										
Averages from Frequency Tables																		
Probability																		
Scatter Graphs		4															8	

Grade 5	Paper Set 1			Paper Set 2			Paper Set 3			Paper Set 4			Paper Set 5			Paper Set 6		
	1H	2H	3H	1H	2H	3H	1H	2H	3H	1H	2H	3H	1H	2H	3H	1H	2H	3H
Reverse Percentages			11	6	12	1a		9	7	5	4			7	8			11
Standard Form	4					12		10	5				3	12		14		
Speed and Density	13	11		1,2	19		10	13		7, 12			8					2
Changing the Subject of a Formula	10											6						2
Expanding and Factorising Quadratics	11							15a		17		6b	9			21a		
Solving Quadratics												6c				9b		
Drawing Quadratic Graphs			10									5						
Drawing Other Graphs: Cubic/Reciprocal													12			19		
Simultaneous Equations		8			6				9		10			2			9	4
Solving Simultaneous Equations Graphically																		
Midpoint of a Line Segment																		
Gradient of a Line						18									1			
Equation of a Line						10	1		18		18		16				21	
Spheres and Cones				11		21a												
Surface Areas and Arc Lengths												13						
Similar Shapes (Lengths)											8		5					
SOHCAHTOA						9			3	6		6					6b	
Exact trig values																		
Congruent Triangles																		
Probability Trees		7, 15	14	14	13		12	4	10	15	5,12	9	16	11	19		13	5
Venn Diagrams	19								7	8	6		13			16		12

Grade 6	Paper Set 1			Paper Set 2			Paper Set 3			Paper Set 4			Paper Set 5			Paper Set 6		
	1H	2H	3H	1H	2H	3H	1H	2H	3H	1H	2H	3H	1H	2H	3H	1H	2H	3H
Recurring Decimal	17				18													
Fractional and Negative Indices	6						11			1			18a		6d-e	12		
The Product Rule for Counting																		
Parallel and Perpendicular Lines	6			21						8			21				20	
Length of a Line																		
Similar Shapes (Area and Volume)	22	17																
Factoring with Negative Scale Factors	18																	
Circle Theorems						16	16	16		13						18		
Cumulative Frequency and Box Plots					15	9			16			11		8		13		

Grade 7	Paper Set 1			Paper Set 2			Paper Set 3			Paper Set 4			Paper Set 5			Paper Set 6		
	1H	2H	3H	1H	2H	3H	1H	2H	3H	1H	2H	3H	1H	2H	3H	1H	2H	3H
Surds	2				12		14	21		20			18			20	6,13	
Bounds		12							17		14	14		14			7	
Direct and Inverse Proportion	14	15		19	17	7		5	14	16	19				14		19	
Quadratic Formula			9b		14b	10b			21	14				9b				7b
Factorising Harder Quadratics									21									
Algebraic Fractions	6a			12			13		21		20	15	20		18	17		
Rearranging Harder Formulae						5		15b							10		16	
Inverse and Composite Functions		14			21							13		15				13
Solving Equations using Iteration																		
Sine Rule, Cosine Rule, Area of Any Triangle		11	15		10	20		17	12,19		17				11,15			16
3D Pythagoras (Not covered)			12			11		7						13				14
Vectors						17	15			18				18		15		
Histograms	7	18		13		15			7		21				7			18
Venn Diagrams																		
("Given that" questions)																		

Grade 8	Paper Set 1			Paper Set 2			Paper Set 3			Paper Set 4			Paper Set 5			Paper Set 6		
	1H	2H	3H	1H	2H	3H	1H	2H	3H	1H	2H	3H	1H	2H	3H	1H	2H	3H
Simultaneous Equations with Quadratics																		
Transforming Graphs y=f(x)				20	15		17	18									17	
(Not covered)																		
Proof			16	15			20			19		18		19			15	
Completing the Square							21											
(Not covered)																		
The Nth Term of a Quadratic Sequence					20					16								
Quadratic Inequalities															20			
(Not covered)																		
Velocity Time Graphs			17		18			19	15		15			16			18	
Proof of the Circle Theorems																		
Perpendicular Lines (A/A* classes)																		
and the equation of a tangent	21	19																