GCSE Maths - Topics from Non-calculator paper

82 Standard Form

Topics from first paper are highlighted. Other topics have not yet been assessed.

Grade D		Qu	Grade C		
23	Factors, Multiples and Primes		52	Product of Prime Factors, HCF and LCM	
24	Powers, Roots and BIDMAS		53	Using Place Value	
25	Ordering Fractions, Decimals & Percentages		54	Negative Numbers	
26	Best Buys		55	Estimation	
27	Fractions: +,-, x, ÷	18	56	Utility Bills	
28	Ratio		57	Collecting Like Terms	
29	Proportion Recipe Type Questions		58	Expanding and Factorisation	
30	Using a Calculator		59	Solving Equations	
31	Exchange Rates		60	Changing the Subject of a Formula	
32	Substitution		61	Inequalities	
33	Angles in Parallel Lines		62	Trial and Improvement	
34	Angles in Triangles and Quadrilaterals		63	Index Notation for Multiplication and Division	
35	Angles in Polygons		64	Forming and Solving Equations	
36	Area and Circumference of Circles	3	65	Sequences	
37	Area of Compound Shapes	7	66	Drawing Straight Line Graphs	
38	Rotations	2	67	Solving Simultaneous Equations Graphically	
39	Reflections	2	68	Drawing Quadratic Graphs	
40	Enlargements		69	Distance Time Graphs	
41	Translations		70	Pythagoras Theorem	
42	Mixed Transformations		71	Surface Area	
43	Nets Plans and Elevations		72	Volume of a Prism	
44	Symmetry		73	Volume and Surface Area of Cylinder	
45	Two-Way Tables	11	74	Similar Shapes	
46	Pie Charts		75	Compound Measures	
47	Scatter Graphs		76	Loci and Construction	
48	Frequency Polygons		77	Bearings	
49	Stem and Leaf Diagrams		78	Probability and Relative Frequency	
50	Probability		79	Averages from Frequency Tables	
51	Percentages		80	Questionnaires	
			81	Functional Maths Questions	

Qu	Gra	de A*, A & B	Qu
	83	Compound Interest and Depreciation	
	84	Reverse Percentage	
	85	Expand and Factorise Quadratics	
5	86	Solving quadratics by Factorisation	22
	87	Simultaneous Equations	
4	88	Inequalities Regions	
4	89	Trigonometry	
	90	Circles Theorems	20
	91	Cumulative Frequency and Box Plots	15
17	92	Tree Diagrams	21
	93	Recurring Decimals	
4	94	Fractional and Negative Indices	
8,17	95	Surds	25
	96	Direct and Inverse Proportion	24
	97	Upper and Lower Bounds	
19	98	Solving Quadratics Using the Formula	
	99	Algebraic Fractions	
	100	More Difficult Rearranging Formulae	
	101	Simultaneous Equations with a Quadratic	
	102	Transformations of Functions	
1	103	Enlargements by Negative Scale Factor	
	104	Sine and Cosine Rules & Areas of Triangles	
	105	3D Pythagoras	
	106	Spheres and Cones	
13	107	Area of Sector and Length of Arcs	
	108	Vectors	23
6,8	109	Histograms	
	110	Stratified Sampling	
3	111	Proof	
13			
16			