Boost Maths UK

Revision Check list

Edexcel IGCSE maths

	Topic	Completed
1	2D shapes - area and perimeter (squares, rectangles, trapezium, parallelograms and triangles)	
2	2D shapes - area of compound shapes	
3	3D shapes - surface area and volume of spheres, cones and frustrums (including with algebra)	
5	3D Pythagoras	
6	Addition of integers	
7	Algebraic fractions	
8	Algebra – collecting like terms (adding and multiplying)	
9	Angles in parallel lines	
10	Angles in polygons	
11	Area of any triangle	
13	Bar charts	
14	Basic Probability– conditional probability with algebra	
15	Bearings	
16	Best buy questions	
17	BIDMAS	
18	Bounds	
20	Calculation money problems	
21	Circles – area and perimeter	
22	Circle theorems – 8 theorems	
23	Circle theorems – 2 intersecting chords and secants theorems	
24	Completing the square	
26	Conversions and units	
27	Coordinates	
28	Cumulative frequency	
29	Decimals – addition, subtraction, multiplication and division	
30	Decimals - recurring decimals to fractions	
31	Differentiation – basics, stationary/turning points (max and min), optimisation and kinematics	
32	Direct and inverse proportion	
33	Distance and velocity time graphs	
34	Division of integers	
35	Drawing graphs by plugging into tables and plotting the points	
36	Drawing quadratic graphs	

37	Enlargements – negative scale factor	
39	Estimating	
40	Exchange rate	
41	Expanding brackets (including triple brackets)	
43	Factorising	
44	Factors and Multiples	
45	Forming and solving equations	
46	Fractions – adding, subtracting, multiplying and dividing	
47	Fractions of an amount	
48	Fractions- writing, simplifying and ordering	
49	Fractions, decimals and percentages (converting between)	
50	Frequency Polygons	
51	Frequency tables	
52	Function machines	
53	Functions – inverse and composite	
54	Functions – domain and range	
55	HCF and LCM	
56	Histograms	
57	Indices	
58	Indices – fractions and negative powers	
59	Inequalities – representing on a number line	
60	Inequalities – solving equations	
61	Inequalities on graphs – shading	
62	Inequalities - quadratics	
65	Averages - Mean (lists and frequency tables), median (lists), lower and upper quartile (lists)	
67	Multiplication of integers	
68	Names of angles	
69	Names of Polygons	
70	Negative numbers	
71	Number Substitution	
72	Other graphs – cubic, reciprocal	
73	Other graphs – trig/exponential	
74	Percentage change	
75	Percentages - compound interest and depreciation	
76	Percentages- finding percentages of amounts	

77	Percentages – increase/decrease	
78	Percentages – repeated percentage change	
79	Percentages – reverse percentages	
80	Pictograms	
81	Pie charts	
82	Place value	
83	Plans and elevations	
84	Powers and roots	
85	Prime factor trees	
86	Probability basics	
87	Probability trees	
88	Probability tree diagrams – conditional probability with algebra	
89	Product rule for counting	
91	Proportion – recipes and ingredients	
92	Pythagoras	
93	Rates of change and tangents to curves to estimate gradients	
95	Ratio – writing as a fraction and simplifying	
96	Ratio – writing ratios as fractions	
98	Ratio – sharing	
99	Ratio – with algebra	
100	Re-arranging formulae (changing the subject)	
101	Reading scales	
102	Real life graphs - interpreting	
103	Rounding	
104	Scale drawings	
106	Sectors - area and arc length	
108	Sequences - nth term of a linear sequence (common difference)	
110	Sum of n terms of an arithmetic series	
111	Similar shapes (lengths)	
112	Similar shapes (area and volume)	
113	Simultaneous equations - linear	
114	Simultaneous equations - quadratic	
115	Simultaneous equations graphically	
116	Sine cosine rule (including with algebra)	
117	SOHCAHTOA	
118	Solving linear equations	

119	Solving quadratics	
120	Speed and density	
121	Standard form	
123	Straight line graphs - gradient, midpoint equation etc	
124	Straight line graphs - parallel and perpendicular lines	
125	Straight line graphs – finding areas under the graph	
126	Subtraction of integers and decimals	
128	Surds	
130	Time	
131	Transformations of shapes (reflections, enlargements rotations and translations)	
132	Transforming curves	
134	Two-way tables	
135	Using graphs to solve equations (quadratics and cubics)	
136	Vectors	
137	Vectors - modulus	
138	Vector - proof questions	
139	Venn diagrams	