

**Boost Maths UK** 

## **Revision Check list**

## **Edexcel GCSE maths**

	Торіс	GCSE
	2D shapes - area and perimeter (squares, rectangles, trapezium,	
1	parallelograms and triangles)	
2	2D shapes - area of compound shapes	
	3D shapes - surface area and volume of spheres, cones and	
3	frustrums (including with algebra)	
4	3D shapes - Volume of frustrums	
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	
12	Area under a graph	
13	Bar charts	
14	Basic Probability – conditional probability with algebra	
15	Bearings	
16	Best buy questions	
17	BIDMAS	
18	Bounds	
19	Box plots	
20	Calculation money problems	
21	Circles – area and perimeter	
22	Circle theorems – 8 theorems	
24	Completing the square	
25	Congruent shapes	
26	Conversions and units	
27	Coordinates	
28	Cumulative frequency	
29	Decimals – addition, subtraction, multiplication and division	
30	Decimals - recurring decimals to fractions	
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		
38	Error intervals		
39	Estimating		
40	Exchange rate		
41	Expanding brackets (including triple brackets)		
42	Exponential functions and exponential growth		
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		
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		
63	Iteration		
64	Loci and construction		
	Averages - Mean (lists and frequency tables), median (lists), lower		
65	and upper quartile (lists)		
66	Averages - frequency tables (median)	<u> </u>	
67	Multiplication of integers	<u> </u>	
68	Names of angles		
69	Names of Polygons		
70	Negative numbers	<u> </u>	
71	Number Substitution		

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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	
90	Proofs – circle theorems, since cosine rule and quad formula	
91	Proportion – recipes and ingredients	
92	Pythagoras	
93	Rates of change and tangents to curves to estimate gradients	
94	Ratio – capture recapture	
95	Ratio – writing as a fraction and simplifying	
96	Ratio – writing ratios as fractions	
97	Ratio – writing ratios as linear functions (when given 2 ratios)	
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	
105	Scatter graphs and correlation	
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	Sequences generating – geometric, arithmetic, triangular, square,		
107	Fibonacci)		
108	Sequences - nth term of a linear sequence (common difference)		
109	Sequences - nth term of a quadratic sequence		
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		
122	Stem and leaf		
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		
127	Systematic listing strategies		
128	Surds		
129	Tangent equation to a circle + circle equation centre (0,0)		
130	Time		
	Transformations of shapes (reflections, enlargements rotations		
131	and translations)		
132	Transforming curves		
133	Trig Values – exact		
134	Two-way tables		
135	Using graphs to solve equations (quadratics and cubics)		
137	Vectors - modulus		
138	Vector - proof questions		
139	Venn diagrams		