



Ensuring Success in Year 11: Mathematics

Qualification:	GCSE Mathematics
Exam board details and website link:	The examination board is Edexcel. https://qualifications.pearson.com/en/qualifications/edexcel-gcses/mathematics-2015.html
Scheme of Assessment (number of papers / duration etc):	This is assessed by three 90 minute papers that each have a total of 80 marks. Paper 1 is a non-calculator paper and Paper 2 and Paper 3 are both calculator papers. Almost any topic can appear on a non-calculator or calculator paper.
How to access past / sample exam papers, mark schemes, examiners reports, etc:	Examiners reports and past/sample papers can be accessed via the Edexcel website. https://qualifications.pearson.com/en/qualifications/edexcel-gcses/mathematics-2015.html Most of the past examination papers together with mark schemes and written solutions can be found in the Maths Genie website. https://www.mathsgenie.co.uk/papers.html
Where/how to access revision materials:	Revision materials can be found at the following locations: 1) Maths Genie https://www.mathsgenie.co.uk/gcse.html 2) Corbett Maths https://corbettmaths.com/contents/ 3) The GCSE Maths tutor https://www.youtube.com/@TheGCSEMathsTutor
Optional revision guides / texts to purchase:	https://www.cgpbooks.co.uk/secondary-books/gcse/math/mxhs44-gcse-maths-edexcel-complete-revision PLEASE CHECK WITH YOUR CHILDS MATHS TEACHER IF YOU WISH TO PURCHASE
Suggested revision techniques:	Watch the instructional videos from Corbett Maths, Maths Genie or The GCSE Math tutor and then try the resource booklets on Maths genie or the practice questions on Corbett Maths
Useful exam tips / Common mistakes to avoid	Read the question carefully. Show all your working so that you pick up method marks. Don't leave questions blank, try the first step.

Year 10 Mock Information

Number of papers and duration	3 papers, each 90 minutes. Paper 1 is a non-calculator paper and Paper 2 and 3 are calculator papers
Topics / information to revise	<u>Instructional videos and worksheets are on the next pages of this document</u>
Where/how to access revision materials:	Revision materials can be found at the following locations: 1) Maths Genie https://www.mathsgenie.co.uk/gcse.html 2) Corbett Maths https://corbettmaths.com/contents/ 3) The GCSE Maths tutor https://www.youtube.com/@TheGCSEMathsTutor

10B revision list and Corbett maths reference

Paper 1	Clip	Paper 2	Clip	Paper 3	Clip
Change stand to compound units	347	Error interval	277a	Primes, factors, multiples	122
laws of indices	174	Apply four operations	21	Simplify algebraic expressions	9
Transformations	272	Measures of central tendency	56	Roots and powers	228
Apply four operations	222	Primes, factors, multiples	220	Properties of 2D shapes	2
Order numbers	131	Percentage change	125	Apply four operations	222a
Pictograms	161	Order numbers	208	Linear and non-linear sequences	286/287
Apply four operations	400	Geometrical terms and notation	32	Properties of 3D shapes	5
Bar charts	148	Circle definitions and properties	84	Probability	251
Linear and non-linear seq	290	Ratio in real context	269	Apply four operations	222a
Apply four operations	209	Apply four operations	400	One quant as a fraction of another	24
Apply four operations	209	Properties of angles	32/35/37	Scale drawings and bearings	26
Calculate exactly with fractions	142	BIDMAS and inverse operations	386	Measures of central tendency	53/57
Probabilities	245	Two-way tables	319	Apply four operations	222a
Sub into form and expressions	20	Order numbers	176	Area of shapes	49
Apply four operations	94	Measures of central tendency	284	Factorise expressions	117
Standard units of measure	299	Scale factors, scale diagrams and maps	284	Error interval	279a
Theoretical probability	376	Graphs of linear functions	187	Percentage change	245
Direct and inverse proportion	256	Standard units and compound units	53	Parallel lines	25
Percentages change	233	Percentage change	233	Primes, factors, multiples	218
Calculate exactly with fractions	135	Ind and dep combined events	252	Pythagoras's Theorem and Trig	257
Stem and leaf diagrams	169	Expand and factorise expressions	13/117	Rearrange formulae	7/8
Plans and elev of 3D shapes	354	Transformations	326	Ratio notation	271c
Solve linear inequalities	179	Error interval	377	Percentage change	233
Primes, factors, multiples	224	Standard units and compound units	45	Frequency polygons	155/156
Ratio in real context	271e	Geometrical problems	88	Use compound units	299
Standard form	300/302	Compound interest	236	Translate into alg expressions	365
Exterior and interior angles	32	Direct and inverse proportion	214a	Standard units and compound units	299
Quadratic graphs	264	Simultaneous Eqns	295/298	Percentage change	238
Use compound units	384				
Exact trig values	341				

10A revision list and Corbett maths reference

Paper 1	Clip	Paper 2	Clip	Paper 3	Clip
Solving linear inequalities	178	Simplifying expressions	17	Pythagoras	257
Product of primes	223	Expanding brackets	13	Substitution	20
Ratio	270	Factorising	117	Changing the subject	7 and 8
Standard form	300/302	Transformations	326	Ratio (n:1)	271c
Surface area (cuboids)	310	Error Intervals	377	Best buys	210
Ratio with fractions	269a	Proportion (area)	45 apply	Area of a trapezium	48
Pythagoras	257	Ratio	271	Gradient of a line	189
Area of a circle	40	Repeated percentage decrease	236	Rules of indices (index laws)	17
Independent events	249	Currency conversion	214a	Compound interest	236
Multiple events	247	Using a calculator	222a	Product rule	383
Direct proportion	254	Inverse proportion (rates of change)	255c	Trigonometry	330/331
Inverse proportion	255	Equation of a straight line	191	Factorising	117
Rules of indices (negative & fractional)	173/175	Enlargement (negative)	108	Expanding triple brackets	15
Percentages (inc/dec)	238	Venn diagrams	380	Upper and lower bounds	183/184
Volume	356	Volume of 3D shapes	359/361	Iteration	373
Solving quadratics	266	Sine rule	333/334	Probability	247/249
Percentage change	233	Cosine rule	335/336	Standard form	300/301
Equation of a line	191	Trigonometry	330/331	Fibonacci sequence	287a
Changing the subject	7 and 8	Compound interest	236	Probability from a table	245
Area of a triangle	49	Product rule	383	Similar shapes	292
Recurring decimals	96	Iteration	373	Combining ratios	271a
Surds	307/308	Quadratic sequences	338	Combined transformations	275/325
				Recurring decimals	96
				Probability trees	252