- Every year, 10% of students miss out by 3 marks or less.
- These are the same key strategies shared last year, and at parent info evening, and in class.
- Last year 75% of pupils scored at least one grade Higher in the summer than in their mocks.





- Using revision lists (Corbett maths).
- Using books/topic tests/mocks/past papers.
- Using Sparx.
- Free from distractions!







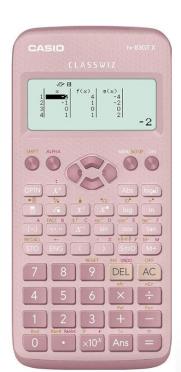
- Treat every practise paper like it is your real exam.
 - Black pen (either ink or ball-point no erasable pens as they can fade with heat!)
 - Clear pencil case
 - Clear water bottle with no labels
 - Pencils (and an eraser and sharpener!)
 - Scientific calculator (make sure to remove the lid if you have one)
 - A ruler, pair of compasses, and protractor (or any mathematical instrument set)





• Treat every practise paper like it is your real exam.







BROOKFIELD COMMUNITY SCHOOL COMMITTED TO EXCELLENCE Part Of The REDHILL ACADEMY TRUST Exsisto Optimus

Angle Facts - Video 35, 30, 34, 39 Types of Angle - Video 38 Angles in Parallel Lines - Video 25 Angles in a Triangle - Video 37 Angles in a Quadrilateral - Video 33 Angles in Polygons - Video 32 Bearings - Videos 26, 27 Scales & Maps - Video 283 Perimeter - Video 241 Area of Rectangles/Triangles - Videos 45, 49 Area of a Trapezium - Video 48 Units - Videos 347, 349 Sensible Estimates - Video 285 Line Symmetry - Video 316 Rotational Symmetry - Video 317 Constructions - Videos 72, 78, 83 Loci - Videos 75, 76, 77 Faces, Edges, Vertices - Videos 5, 3 Nets - Video 4 Views and Elevations - Video 354 Time Calculations - Video 322 Timetables - Video 320 Distance Charts - Video 318 Speed, Distance, Time - Video 299 Travel Graphs - Video 171 Density - Video 384 Pressure - Video 385 Translations - Video 325, 326 Reflections - Videos 272, 273 Rotations - Video 275 Enlargements - Videos 104, 105, 107 Parts of the Circle - Video 61 Circumference - Video 60, 243 Area of a Circle - Video 59, 47 Arc Length - Video 58 Area of a Sector - Video 46 Volume of a Cylinder - Video 357 Pythagoras - Video 257 Trigonometry - Videos 329, 330, 331 Exact Trig Values - Video 341 Similar Shapes (sides) - Video 292 Congruent Triangles - Video 67 Volume of a Cuboid/Prism - Video 355, 356 Volume of a Sphere/Cone - Videos 359, 361 Surface Area - Video 310 Surface area of Sphere/Cone - Videos 313, 314 Vectors - Video 353a, 353

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GCSE Foundation Tier AQA Checklist

Multiplication - Video 199, 200 Division - Video 98 Addition - Video 6 Subtraction - Video 304 Rounding - Video 276, 277a, 277b, 278, 280 Estimation - Video 215 Order of Operations - Video 211 Ordering Decimals - Video 95 Arithmetic with Decimals - Videos 90, 91, 92, 93, 94 Multiples and Factors - Videos 220, 216 Prime Numbers - Video 225 Square Numbers and Square Roots - Videos 226, 228 Cube Numbers and Cube Roots - Videos 212, 214 Product of Primes - Video 223 LCM/HCF - Videos 218, 219, 224 Indices - Videos 172, 174 Negative Indices - Video 175 Standard Form - Video 300, 302, 303 Fractions of Amounts - Video 137 Adding Fractions - Video 133 Multiplying Fractions - Video 142 **Dividing Fractions - Video 134** Reciprocals - Video 145 Fractions, Decimals, Percentages - Videos 121 to 129 Expressing as Fraction or % - Videos 136, 237 Percentages of Amounts - Videos 234, 235, 238 Percentage Change - Video 233 Simple Interest - Video 236a Compound Interest - Video 236 Reverse Percentages - Video 240 Ratio - Videos 269, 270, 271 Currency - Video 214a Recipes - Video 256 Negative Numbers - Videos 205-209 Place Value - Video 222, 222a Error Intervals - Video 377 Money - Video 400 Best Buys - Video 210 Proportion - Videos 255a, 254 Use of a Calculator - Video 352



Two-way Tables - Video 319 Pictograms - Videos 161, 162 Bar Charts - Videos 147, 148 Line Graphs - Video 160 Pie Charts - Video 163, 164 Probability - Videos 245, 246, 248 Relative Frequency - Video 248 Listing Outcomes - Video 253 Scatter Graphs - Videos 165 to 168 Averages & Range - Videos 56, 50, 53, 57 Mode: Frequency Table - Video 56a Median: Frequency Table - Video 51 Combined Mean - Video 53a Estimated Mean - Video 55 Venn Diagrams - Video 380 Tree Diagrams - Video 252 Reading Tables - Video 387 Samples - Video 281a Coordinates - Video 84 Function Machine - Video 386 Writing Expressions - Video 16 Collecting Like Terms - Video 9 Multiplying & Dividing Terms - Videos 18, 11 Laws of Indices - Video 174 Sequences - Videos 286, 287, 290, 287a Geometric Progressions - Video 375 The nth Term - Video 288 Expanding Brackets - Videos 13, 14 Factorising - Video 117 Factorising Quadratics - Videos 118, 120 Solving Equations - Video 110, 113, 266 Forming Equations - Videos 114, 115 Inequalities - Videos 177, 178, 179 Conversion Graphs - Video 151 Drawing Linear Graphs - Video 186 y = mx + c - Video 191Gradient - Video 189 Real Life Graphs - Video 171a Parallel graphs - Video 196 Substitution - Video 20 Changing the Subject - Video 7 Simultaneous Equations - Videos 295, 297 Quadratic Graphs - Video 264 Cubic Graphs - Video 344 Reciprocal Graphs - Video 346

Tally Charts - Video 321

Frequency Trees - Video 376

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Adding Fractions - Video 133 Multiplying Fractions - Video 142 **Dividing Fractions - Video 134** Reciprocal - Video 145 Decimals - Video 90, 91, 92, 93, 94 Use of a Calculator - Video 352 Estimation - Video 215 Best Buys - Video 210 Currency - Video 214a Conversion Graphs - Video 151, 152 LCM/HCF - Videos 218, 219 Product of Primes - Videos 223, 224 Indices - Videos 172, 174 Indices (fractional/negative) - Videos 173, 175 Standard Form - Videos 300, 301, 302, 303 Percentages of Amounts - Videos 234, 235, 238 Percentage change - Video 233 Simple Interest - Video 236a Compound Interest - Video 236 Reverse Percentages - Video 240 Recurring Decimals to Fractions - Video 96 Ratio - Videos 270, 271, 271a, 271b, 271c Direct Proportion - Video 254 Inverse Proportion - Video 255 Proportional Graphs - Video 255b Proportion (application) - Video 255c Limits of Accuracy - Videos 183, 184 Surds - Videos 305, 306, 307, 308 Product Rule for Counting - Video 383 Error Intervals - Video 377, 280 Collecting Like Terms - Video 9 Expanding Brackets - Videos 13, 14, 15 Factorising - Video 117 Factorising Quadratics - Videos 118, 119, 120, 119a Algebraic Fractions - Videos 21, 22, 23, 24 Sequences (nth term) - Videos 288, 289 nth term (quadratics) - Video 388 Substitution - Video 20 Equations - Videos 110, 113, 114, 115 Changing the Subject - Videos 7, 8 Inequalities - Videos 177, 178, 179 Inequalities (Regions) - Video 182 Quadratic Inequalities - Video 378 Linear Graphs - Videos 191, 186, 189, 194 Midpoint of a Line - Video 198 Distance between 2 points - Video 185 Real-life Linear Graphs - Video 171a Parallel or Perpendicular Lines - Videos 196, 197 Simultaneous Equations - Video 295 Non-linear Simultaneous Equations - Video 298 Graphical Simultaneous Equations - Video 297

www.corbettmaths.com/contents **GCSE** Higher Tier AQA

Checklist

Angles in Parallel Lines - Video 25, 39 Bearings - Video 26, 27 Angles in Polygons - Video 32 Constructions - Video 78, 72, 79, 80, 70 Loci - Videos 75, 76, 77 Views - Video 354 Area of a Trapezium - Video 48 Circumference - Video 60 Area of a Circle - Video 40 Arc Length - Video 58 Area of a Sector - Video 48 Volume of a Cylinder - Video 357 Pythagoras - Video 257, 259 Trigonometry - Videos 329, 330, 331 3D Trig and Pythagoras - Videos 259, 332 Exact Tria Values - Video 341 Volume of a Prism - Video 356 Volume of Cone/Pyramid/Sphere - Videos 359-361 Volume of a Frustum - Video 360a Surface Area of a Prism - Video 311 Surface Area of Cone/Sphere - Videos 314, 313 Metric Units (area/volume) - Videos 350, 351 Translations - Video 325 Reflections - Video 272 Rotations - Video 275 Enlargements - Videos 104, 106, 107, 108 Similar Shapes - Videos 292, 293a, 293b Circle Theorems - Videos 64, 65 Sine Rule - Video 333 Cosine Rule - Videos 335, 336 1/2abSinC - Video 337 Vectors - Video 353 Column Vectors - Video 353a Travel Graphs - Video 171 Speed, Distance, Time - Video 299 Density - Video 384 Pressure - Video 385 Geometric Proof - Video 366 Congruent Triangles - Video 67 Invariant Points - Video 392



Frequency Trees - Video 376 Two-way Tables - Video 319 Pie Charts - Videos 163, 164 Scatter Graphs - Videos 165, 166 Histograms - Video 157, 158, 159 Cumulative Frequency - Videos 153, 154 Box Plots - Video 149 Quartiles - Video 57a Estimated Mean - Video 55 Combined Mean - Video 53a Median (frequency table) - Videos 51, 52 Modal class (frequency table) - Video 56a Probability - Video 250 Relative frequency - Video 248 Samples - Video 281a Tree Diagrams - Video 252 Conditional Probability - Video 247 Venn Diagrams - Video 380 Equation of a Circle - Video 12 Equation of a tangent - Video 372 Instantaneous rates of change - Video 390a Average rates of change - Video 390b Area under a curve - Video 389 Composite Functions - Video 370 Inverse Functions - Video 369 Quadratic Graphs - Video 264 Solving Quadratics Graphically - Videos 367c, 367d Sketching Quadratics - Video 265 Trigonometric Graphs - Videos 338, 339 Cubic Graphs - Video 344 Reciprocal Graphs - Video 346 Exponential Graphs - Video 345 Geometric Sequences - Video 375 Algebraic Proof - Video 365 Quadratic Formula - Video 267 Completing the Square - Video 10, 371 Transformations of Graphs - Video 323, 324 Identities - Video 16a Iteration - Video 373, 373a, 373b



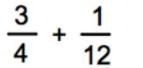


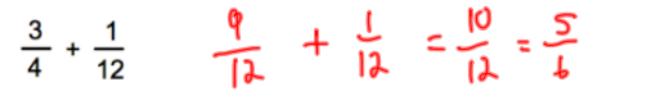
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- Videos, questions and worked solutions prioritise what you need to work on, not what you can already do.
- 1. Work out, as a simplified fraction.

1. Work out, as a simplified fraction.











(2)

- Use your books and topic tests to support you.
- Every topic test is written from past paper questions, broken down by skill and scored as a percentage to help you compare and prioritise.





TOPIC TEST: Year 7 Higher 2. Number Skills

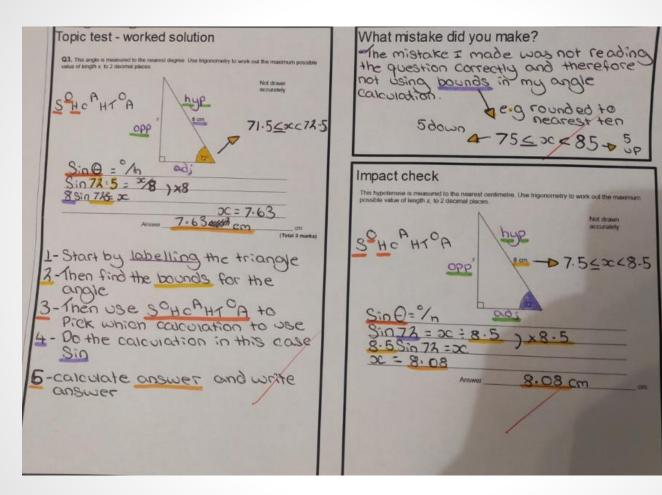
Calculators allowed on Q8 & 9 only

Score 18/24 75%

Question	Skill	My Score / Out Of		
Q1 – Q2	Understand factors, multiples, HCF and LCM	6	/6	
Q3	Calculate with negative numbers	4	/4	
Q4	Use mental and written strategies for multiplication	4	14	
Q5	Use mental and written strategies for division	1	/1	
Q6	Carry out calculations involving squares, cubes, square roots and cube roots.	0	/:	
Q7	Estimate a calculation by rounding	0	/	
Q8 – Q9	Use a scientific calculator accurately	3	/	
	Total	18	/ 2	











- All AQA papers available online, walkthroughs on youtube.
- AQA | Find past papers and mark schemes
- We have used the papers from 2021 onwards all the papers 17-20 are available for practise.

Subject	
Mathematics	~
Qualification	
GCSE	~
Specification	
Mathematics (8300)	~
Series	
All available series	~





- You can access grade boundaries from when these were live papers, but use with caution.
- We don't know where the boundaries will land this summer – we do know that more marks will equal a better grade.
- We know that there are a certain number of grades at each level available.
- Control the controllable!





Daper	November 2019 P	Paper 1F				cnary	
Vame	Joe Bloggs					sparx	
Teacher	Mr Stewart					•	
	Questions	Торіс	Score			Sparx Code	
	1	Understanding and ordering decimals	1	17	1	U435	
	2	Solving equations with one step	1	ż	1 1	U755	
	3	Fractions, decimals and percentages	0	÷	+	U594,U888	
	4	Calculating with roots and powers	1	ż	$\frac{1}{1}$	U851	
	5	Using a written method to multiply integers	1	÷	3	U127	
		Interpreting bar charts	0	÷	1	U557	
	6b	Interpreting bar charts	1	÷	1	U557	
	60	Interpreting bar charts	1	;	H	U557	
	6d	Drawing bar charts	2	1 J	2	U363	
	7a	Using a written method to divide with decimals	1	ż	1	U868	
	7b	ultiplying and dividing with place value, Using a written method to multiply decima	1	1	$\frac{1}{1}$	U735,U293	
	70 8a	Adding and dividing with place value, Using a written method to multiply decima Adding and subtracting decimals	2	T T	2	U135,0233 U478	
	8b	Adding and subtracting decimals	2	r T	2	U478	
		Using a written method to multiply decimals		r T		U293	
	9 10		2	1	2		
		Multiplying and dividing with place value, Understanding and ordering integers	0	f T	3	U735,U600	
	11a	Writing probabilities as fractions	1	4	1	U408	
	11b	Writing probabilities as fractions	0	4	2	U408	
	12	Constructing fractions, Constructing and solving equations	2	4	3	U163,U599	
	13	Rounding integers, Rounding decimals, Estimating calculations	2	4	2	U480,U298,U225	
	14	Area and perimeter, Writing and simplifying ratios	3	4	3	U993,U687	
	15	Angles on a line and about a point	3	1	3	U390	
	16	Calculating with roots and powers	0	1	1	U851	
	17	Plotting straight line graphs	2	1	3	U741	
	18a	Constructing fractions	2	1	2	U163	
	18Ь	Finding percentages of amounts without a calculator	3	1	3	U554	
	19a	Writing and simplifying ratios	1	1	1	U687	
	19Ь	Writing and simplifying ratios	1	1	1	U687	
	20	Writing probabilities as fractions, Probabilities of mutually exclusive events	1	1	1	U408,U683	
	21	Solving equations with the variable on both sides	2	1	3	U870	
	22	Sharing amounts in a given ratio, Angles in triangles	2	1	4	U577,U628	
	23	Types of data	1	1	1	U322	
	24a	Reflection	1	1	1	U799	
	24Ь	Rotation	1	1	1	U696	
	25a	Position-to-term rules for geometric sequences	0	1	1	U958	
	25Ь	Special sequences	0		2	U680	
	26	Simplifying algebraic fractions by cancelling, Substitution into formulae	2	1	2	U103,U585	
	27	Index rules with positive indices	3	1	3	U235	
	28	Finding the volume of cylinders, Finding the volume of spheres	0	1	4	U915,U617	
	29	Sharing amounts in a given ratio	4	1	4	U577	
	30a	Multiplying and dividing numbers in standard form	2	1	2	U264	
	30Ь	Adding and subtracting numbers in standard form	0	1	2	U290	
	31	Interpreting inverse proportion equations	1	1	1	U364	





- Getting the most from Sparx use your q by qs to target skills you need to improve upon.
- Sparx can produce unlimited extra, personalised practise for you to help revise and prepare for exams.





- Using revision lists (Corbett maths).
- Using books/topic tests/mocks/past papers.
- Using Sparx.
- Focus on the areas where you can gain marks rather than where you are consolidating marks you already got.





- Put the time in now you get it paid back!
- 'Great things don't come from comfort zones'



