

Maths

Year 11 Mock Exam Information

Exam specification and exam board	AQA GCSE Mathematics 8300 https://www.aqa.org.uk/subjects/mathematics/gcse/mathematics-8300/specification/specification-at-a-glance
Past papers available at	https://www.aqa.org.uk/subjects/mathematics/gcse/mathematics-8300/assessment-resources
Useful revision websites	• Sparx maths - https://sparxmaths.com/ • 1st Class Maths - https://www.1stclassmaths.com/ • Maths Genie - https://mathsgenie.co.uk/?scrlybrkr=2cdc54a6 • Corbett Maths - https://corbettmaths.com/contents/
<u>MOCK EXAM INFORMATION</u>	There will be 2 x 1.5-hour papers, each paper is worth 80 marks. Paper 1 is non calculator Paper 2 is calculator
Topics covered in mock	A detailed revision list will be posted on ClassCharts by your class teacher. The mocks will cover any content taught up until now.
Recommended revision strategies	• Practice, practice, practice – Maths is a skill that improves with repetition. • Identify your weak areas – Don't just revise what you're already good at – focus on topics you find challenging • Use Active revision techniques – Retrieval practice/Teach someone else/Create formula cards • Break it down into manageable chunks – don't try to revise everything at once – spread your revision over time. • Use available resources – take advantage of the support around you. • Test yourself regularly – regular self-testing helps you identify what you know and what needs more work.



Top tips for your exam

- Make sure you have the correct equipment for your exam – including a calculator!
- Make sure you use your calculator, even if it is for basic calculations.
- Read the questions carefully.
- Show all your working – write down every step of your calculation, even those you do on your calculator.
- Manage your time wisely – you have roughly 1 minute per mark.
- Use estimation to check your answers.
- Answer every question.
- Review your answers – if you have time at the end check you have answered every question, look out for silly mistakes in calculations, make sure you have included units where needed.
- Don't panic – if you find a question difficult remember some questions are designed to challenge even the highest achievers, just focus on getting the marks where you can.

Year 11 Maths Mock (Higher)

This is a suggested programme of revision for your mock exam – you can adjust it to meet your own needs and the time you have available. Each task should take no more than 20-30 minutes.

Week commencing	Task 1 (Essential) (Sparx codes on the right)		Task 2 (Extension)
12/10/26	Simplifying expressions by collecting like terms	U105	https://www.1stclassmaths.com/_files/ugd/9f3fb0_cb93a162231241319f63dcad2a17ddc5.pdf
	Factorising to solve quadratic equations of the form $ax^2+bx+c=0$	U228	
	Calculating experimental probabilities	U580	
	Special sequences	M981	
	Problem solving: Sharing amounts in a given ratio (Higher)	U595	
	Interpreting pie charts	U172	
	Multiplying with mixed numbers	U224	
19/10/26	Congruent triangles	U866	https://www.1stclassmaths.com/_files/ugd/9f3fb0_c32cbb8471a442aa9ef63fd82f808ac6.pdf
	Index rules with positive indices	U235	
	Simplifying surds	U338	
	Converting between fractions, decimals and percentages	U888	
	Changing the subjects of formulae with two or more steps	U181	
	Reading and plotting coordinates	M618	
	Mixed problems: Circle theorems	U808	
26/10/26	Using standard form with negative indices	U534	https://www.1stclassmaths.com/_files/ugd/9f3fb0_c80561373c2f4f6a838a58925e33833f.pdf
	Combining transformations	U766	
	Calculating distances from velocity-time graphs	U611	
	Solving shape problems involving coordinates	U889	
	Venn diagrams with set notation	U748	
	Completing the square	U397	
	Expanding triple brackets	U606	
02/11/26	Interpreting cumulative frequency graphs	U642	https://www.1stclassmaths.com/_files/ugd/9f3fb0_4833e96ffc8d4314b17806d58149e2c9.pdf
	Interpreting box plots	U837	
	Rationalising denominators containing a single term	U707	
	Position-to-term rules for quadratic sequences	U206	
	Geometric proofs with congruence and similarity	U887	
	Estimating calculations	U225	
	Graphs of direct and inverse proportion	U238	
09/11/26	Writing algebraic proofs	U582	
	Enlargement by a positive or negative scale factor	U134	



	Solving quadratic equations graphically	U601	https://www.1stclassmaths.com/_file/s/ugd/9f3fb0_dde2989f3ec84231ba2f5c235a23d1af.pdf
	Finding original values in percentage calculations	U286	
	Compound interest calculations	U332	
	Probabilities of mutually exclusive events	U683	
	Identifying parts of circles	U767	
16/11/26	Tree diagrams for independent events	U558	https://www.1stclassmaths.com/_file/s/ugd/9f3fb0_656191d8bcff4b13b460a268dd557a34.pdf
	Calculating with pressure	U527	
	Finding unknown sides in right-angled triangles	U283	
	Problem solving: Area of triangles, parallelograms and trapeziums (Higher)	U904	
	Writing probabilities as fractions, decimals and percentages	U510	
	Converting between ratios, fractions and percentages	U176	
	Finding averages from grouped data	U877	
23/11/26	Interpreting equations of straight line graphs	U669	https://www.1stclassmaths.com/_file/s/ugd/9f3fb0_05a66031b6df4a6081a67b2789ca8b43.pdf
	Calculating with trigonometry and bearings	U164	
	Interpreting frequency tables and two-way tables	U981	
	Currency conversion	U610	
	Standard form with a calculator	U161	
	Mixed problems: Finding the volume of cones and spheres	U426	
	Calculating experimental probabilities	U580	

Year 11 Maths Mock (Foundation)

This is a suggested programme of revision for your mock exam – you can adjust it to meet your own needs and the time you have available. Each task should take no more than 20-30 minutes.

Week commencing	Task 1 (Essential) (Sparx codes provided on the right)		Task 2 (Extension)
12/10/26	Finding fractions of amounts without a calculator	U881	https://www.1stclassmaths.com/_files/ugd/9f3fb0_8915d1ea56734f8d8568651a8aeac941.pdf
	Estimating calculations	U225	
	Writing probabilities as fractions, decimals and percentages	M938	
	Venn diagrams with set notation	U748	
	Interpreting bar charts	U557	
	Line and shape properties	U121	
	Ordering fractions, decimals and percentages	M553	
19/10/26	Multiplying fractions	M157	https://www.1stclassmaths.com/_files/ugd/9f3fb0_9566420bf5684678a5f61adb36b80dfa.pdf
	Multiplying and dividing with negative numbers	U548	
	Enlargement	M178	
	Adding and subtracting fractions	M835	
	Converting units of length, mass and capacity	U388	
	Interpreting frequency tables and two-way tables	U981	
	Currency conversion	U610	
26/10/26	Solving equations with the unknown on both sides	U870	https://www.1stclassmaths.com/_files/ugd/9f3fb0_cbad1d527c894e6284777cb38ad08880.pdf
	Reading, converting and calculating with time	U902	
	Writing and simplifying ratios	M885	
	Percentage change without a calculator	M476	
	Simplifying expressions by collecting like terms	U105	
	Constructing and solving equations	U599	
	Solving shape problems involving coordinates	U889	
02/11/26	Expected results from repeated experiments	U166	https://www.1stclassmaths.com/_files/ugd/9f3fb0_839e936758924651978db5b8e06b1acd.pdf
	Tree diagrams for independent events	U558	
	Sharing amounts in a given ratio	U577	
	Sample space diagrams	U104	
	Finding fractions of amounts with a calculator	U916	
	Substituting into algebraic formulae	U585	
	Understanding congruence	U790	



09/11/26	Writing numbers as percentages of other numbers	U925	https://www.1stclassmaths.com/_files/ugd/9f3fb0_4838a6bfc8e5430a91b66c3f8a0356f2.pdf
	Function machines with numbers	M175	
	Function machines with letters	M428	
	Finding percentages of amounts with a calculator	U349	
	Mixed problems: Finding the area and perimeter of simple shapes	U993	
	Understanding, measuring and drawing angles	U447	
	Calculating the mean	U291	
16/11/26	Expanding single brackets	U179	https://www.1stclassmaths.com/_files/ugd/9f3fb0_65c3037ff3ed436f8114d94bbd41559f.pdf
	Converting between fractions, decimals and percentages	U888	
	Writing probabilities as fractions, decimals and percentages	U510	
	Financial terminology and calculations	M901	
	Interpreting scatter graphs	U277	
	Compound interest calculations	U332	
	Converting units of length, mass and capacity	U388	
23/11/26	Plans and elevations	U743	https://www.1stclassmaths.com/_files/ugd/9f3fb0_edfc0d2ecc1e45c19b81d456d4110851.pdf
	Interpreting equations of straight line graphs	U669	
	Calculating with pressure	U527	
	Calculating with density	U910	