



QEHS Maths Dept Revision List – October Mock - Higher

October 2026	Calculator	Topic	Sparx Code	Red	Amber	Green	Revised
- The most effective way of revising for a Maths assessment is to practice as many questions as you can on the topics that will appear on the assessment. - The Independent Learning area of Sparx is ideal for this practice as it covers all topic areas, you can adjust the level of difficulty depending on how confident you are feeling, it gives you immediate feedback about how you are doing, and it supports you with a bespoke video for every single question! - Start by self-evaluating (Red, Amber, Green) your confidence in each topic. - Focus your revision on the topics you feel will be most beneficial. - Work through the Sparx questions for a topic. If you are unable to answer a question you should watch the support video and then reattempt the question. If you are still unable to answer a question you should attend drop-in to seek further support. - If you are finding a topic too challenging, then remember you can lower the difficulty level. If you are finding questions too easy, then you can increase the difficulty level. Sparx Independent Learning GCSE (approx) Difficulty Levels Level 1 – if you are following the foundation course and feel you need support to make progress with your Maths work. Level 2 – if you are following the foundation course and are working at, or aiming for, a Grade 4. Level 3 – if you are following the foundation course or the higher course are working at, or aiming for, a Grade 5. Level 4 – If you are following the higher course and are aiming for a Grade 6 or Grade 7. Level 5 - If you are following the higher course and are aiming for a Grade 8 or Grade 9.		Converting units of length, mass and capacity	U388				
		Presenting data and making conclusions	U571				
		Identifying parts of circles	U767				
		Constructing and solving equations	U599				
		Interpreting pie charts	U172				
		Drawing and interpreting scale diagrams	U257				
		Measuring and drawing bearings	U525				
		Constructing fractions, Simplifying fractions	U163,U646				
		Writing and simplifying ratios	U687				
		Converting between ratios, fractions and percentages	U176				
		Position-to-term rules for arithmetic sequences	U498				
		Finding fractions of amounts	U916				
		Using equivalent ratios to find unknown amounts	U753				
		Venn diagrams	U476				
		Equations of parallel lines	U377				
		Finding the equation of a straight line	U477				
		Finding unknown sides in right-angled triangles	U283				
		Angles in polygons	U427				
		Calculating with speed	U151				
		Expanding single brackets	U179				
		Growth and decay	U988				
		Using the product rule for counting	U369				
		The sine rule	U952				
		Position-to-term rules for quadratic sequences	U206				
		Graphs of linear inequalities	U747				
		Factorising quadratic expressions of the form ax^2+bx+c	U858				
		Finding the volume of spheres, Finding the volume of cylinders	U617, U915				
		Enlargement by a positive or negative scale factor	U134				
		Finding the perimeter and area of similar shapes, The area rule	U630,U592				



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		Reading and plotting coordinates	U789				
		Calculating midpoints	U933				
		Sample space diagrams	U104				
		Function machines with numbers	M175				
		Converting between fractions, decimals and %	U888				
		Using appropriate units	U497				
		Substituting into real-life formulae	U144				
		Solving direct proportion word problems	U721				
		Constructing and solving equations	U599				
		Calculating with roots and powers	U851				
		Finding the mode	U260				
		Calculating the median	U456				
		Percentage change with a calculator	U671				
		Interpreting scatter graphs, Using lines of best fit	U277,U128				
		Area and perimeter of simple shapes	U993				
		Writing and simplifying ratios	U687				
		Probabilities of mutually exclusive events	U683				
		Expected results from repeated experiments	U166				
		Understanding congruence, Congruent triangles	U790,U866				
		Constructing and solving equations	U599				
		Calculating experimental probabilities	U580				
		Interpreting pie charts	U172				
		Drawing and interpreting scale diagrams	U257				
		Measuring and drawing bearings	U525				
		Position-to-term rules for arithmetic sequences	U498				
		Finding fractions of amounts, Using equivalent ratios to find unknown amounts	U916, U753				
		Venn diagrams	U476				
		Using Pythagoras' theorem in 2D	U385				
		Equations of parallel lines	U377				
		Finding the equation of a straight line	U477				