

Year 10

Subject:	GCSE Mathematics – Higher
Exam Board:	Edexcel
Papers:	Paper 1 – Non-calculator Paper 2 – Calculator Paper 3 - Calculator

Revision Topics	SPARX Codes	Revised
Topic - Number		
Ordering positive integers	U600	
Ordering decimals	U435	
Ordering negative numbers	U947	
Adding and subtracting positive integers	U417	
Multiplying and dividing positive integers	U127, U453	
Adding and subtracting negative numbers	U742	
Multiplying and dividing negative numbers	U548	
Adding and subtracting decimals	U478	
Multiplying and dividing with place value	U735	
Multiplying and dividing with decimals	U293, U868	
Order of operations	U976	
Prime numbers, prime factorisation	U236, U739	
Factors, multiples, HCF and LCM	U211, U751, U529	
Powers and roots	U851	
Using standard form	U330, U534	
Calculating with standard form	U264, U290, U161	
Equivalent fractions and simplifying fractions	U704, U646	
Mixed numbers and improper fractions	U692	
Ordering fractions	U746	
Addition and subtraction of fractions	U736, U793	
Multiplication and division of fractions	U475, U544	
Converting and ordering fractions, decimals and percentages	U888, U594	
Fractions of amounts	U881, U916	

Percentages of amounts	U554, U349	
Percentage change	U773, U671	
Reverse percentages	U286, U278	
Simple interest	U533	
Rounding	U480, U298	
Rounding to significant figures	U731, U965	
Estimating answers	U225	
Value for money	M681	
Calculating with roots and fractional indices	U851, U985, U772, U299	
Converting recurring decimals to fractions	U689	
Surds	U338, U663, U872, U499	
Rationalising the denominator	U707, U281	
Error intervals	U657, U301, U587	

Revision Topics	SPARX Codes	Revised
Topic - Algebra		
Algebraic expressions	U613	
Collecting like terms	U105	
Substitution	U201, U585, U144	
Expanding brackets	U179, U768	
Factorising expressions	U365	
Index laws	U235, U694, U662, U103	
Changing the subject	U556	
Coordinates	U789, U889	
Midpoints	U933	
Plotting straight line graphs	U741	
Equations of straight-line graphs	U315, U669	
Parallel lines	U377	
Distance-time graphs	U403, U914, U462, U966	

Quadratic graphs	U989, U667	
Linear equations	U755, U325, U870, U505, U599	
Quadratic expressions and equations	U178, U228	
Linear sequences	U213, U530, U498, U978	
Other sequences	U958, U680	
Expanding triple brackets	U606	
Operations with algebraic fractions	U685, U457, U824	
Factorising quadratic expressions: ax^2+bx+c	U858	
Simplifying algebraic fractions	U294	
Factorising to solve quadratics equations	U228, U960	
Quadratic equations in context	U150	
Index laws	U235, U694, U662	
Equation of a straight line: Perpendicular lines	U898	
Velocity-time graphs	U937, U562, U611	
Rate of change graphs	U638, U652, U862	
Quadratic sequences	U206	

Revision Topics	SPARX Codes	Revised
Topic – Ratio and Proportion		
Simplifying ratios	U687	
Sharing amounts in a ratio	U753, U577	
Converting between ratios, fractions and percentages	U176	
Direct proportion	U721, U640	
Inverse proportion	U357, U364	
Proportion graphs	U238	
Units of measure: Length, Mass and Capacity	U102, U388	
Units of measure: Time	U902	
Units of measure: Area	U248	
Currency conversion	U610	

Conversion graphs	U652, U638, U862	
Compound units: Speed	U151	

Revision Topics	SPARX Codes	Revised
Topic - Geometry		
Properties of 2D shapes	U121, U849	
Properties of 3D shapes	U719	
Nets of 3D shapes	U761	
Angles: Measuring, Drawing and Estimating	U447	
Angle on a line and about a point	U390	
Vertically opposite angles	U730	
Angles on parallel lines	U826	
Angles in a triangle	U628	
Combining angle facts	U655	
Angles in a quadrilateral	U732, U329	
Angles in polygons	U427	
Bearings	U525, U107	
Translations	U196	
Reflections	U799	
Enlargements	U519	
Rotations	U696	
Congruence	U790, U866	
Area and perimeter of simple shapes	U993, U970, U351, U226	
Area of triangles, parallelograms and trapeziums	U945, U575, U424, U265, U343	
Circles	U767	
Circumference	U604, U221	
Circle area	U950, U373	
Surface area	U929, U259, U871	
Volume of cuboids	U786	
Volume of prisms and cylinders	U174, U915	
Enlargements	U134	
Describe combined transformations	U766	
Volume of frustums	U350	
Volume: Problem solving	U543, U426	

Pythagoras' Theorem in 2D and 3D	U385, U541	
Right-angled trigonometry: Problem solving	U319, U283, U545, U967	

Revision Topics	SPARX Codes	Revised
Topic - Probability		
Probability scale	U803	
Probability of single events	U408, U510, U683	
Experimental probability	U580	
Expected outcomes	U166	
Listing elements in a set	U748, U296	
Probability from Venn diagrams	U476	
Frequency trees	U280	
Sample space diagrams	U104	
Tree diagrams	U558, U729	

Revision Topics	SPARX Codes	Revised
Topic - Statistics		
Collecting data, frequency tables	U322, U120	
Two-way tables	U981	
Bar charts	U363, U557	
Pictograms	U506	
Pie charts	U508, U172	
Stem and leaf diagrams	U200, U909	
Mode	U260	
Mean	U291	
Median	U456	
Range	U526	
Choosing averages	U717	
Scatter graphs	U199, U277, U128	
Averages	U877, U717	
Box plots	U879, U837, U507	
Frequency polygons	U840	