

Paper 1

	Topic	Sparx Code
Grade 3-5	Using a written method to divide with decimals	U868
	Mutually exclusive events, Expected results from repeated experiments	U683, U166
	Expected results from repeated experiments	U166
	Adding and subtracting mixed numbers	U793
	Dividing with mixed numbers	U538
	Angles on parallel lines, Angles in triangles	U826, U628
	Estimating calculations, Calculating with speed	U225, U151
	Estimating calculations	U225
	Angles in polygons, Constructing and solving quadratic equations	U427, U150
	Using and finding equations of linear real-life graphs	U862
	Calculating with pressure	U527
	Interpreting cumulative frequency graphs, Drawing box plots	U642, U879
	Interpreting cumulative frequency graphs	U642
	Indices of the form $1/a$	U985
	Indices of the form a/b	U772
Grade 6-7	Factorising quadratic expressions of the form x^2+bx+c	U178
	Factorising the difference of two squares	U963
	Factorising quadratic expressions of the form Sax^2+bx+c	U858
	Finding the surface area and volume of similar shapes	U110
	Volume of cuboids, Expand triple brackets, Factorise to solve quadratic equations	U786, U606, U228
	The sine rule, Using the exact values of trigonometric ratios (Higher)	U952, U319
	Solving geometric problems using vectors	U781
Grade 8-9	Rationalising denominators containing a single term	U707
	Rationalising denominators containing two terms	U281
	Alternate segment theorem, Angles subtended at the centre or circumference	U130, U459
	Finding inverse functions	U996
	Substituting into composite functions	U895
	Tree diagrams for dependent events	U729
	Equations of circles and tangents	U567

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Paper 2

	Topic	Sparx Code
Grade 3-5	Using a calculator	U926
	Interpreting scatter graphs	U277
	Using lines of best fit	U128
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	Currency conversion	U610
	Using set notation, Venn diagrams with set notation	U296, U748
	Plotting graphs of quadratic functions	U989
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	Finding the percentage an amount has been changed by	U278
	Constructing and solving equations, Applying Pythagoras' theorem in 2D	U599, U828
	Multiplying and dividing numbers in standard form	U264
	Angles in polygons	U427
	Solving simultaneous equations using elimination	U760
	Enlargement by a positive or negative scale factor	U134
	Grade 6-7	Finding the volume of cylinders and cubes, Calculating with density
Interpreting direct proportion equations		U640
Constructing direct proportion equations		U407
Graphs of direct and inverse proportion		U238
Using the product rule for counting		U369
Position-to-term rules for quadratic sequences		U206
Using recurrence relations		U171
Drawing histograms with unequal class widths, Interpreting histograms		U814, U983
Adding and subtracting algebraic fractions		U685
Geometric proofs with congruence and similarity		U887
Grade 8-9	Finding bounds for calculations	U587
	Trigonometry in 3D shapes, Using Pythagoras' theorem in 3D	U170, U541
	Perpendicular lines, Factorising to solve quadratics of the form $ax^2+bx+c=0$	U898, U960
	Tree diagrams for independent events	U558

Paper 3

	Topic	Sparx Code
Grade 3-5	Drawing and interpreting frequency polygons	U840
	Using standard form with positive indices	U330
	Using standard form with negative indices	U534
	Constructing bisectors of angles	U787
	Tree diagrams for independent events	U558
	Tree diagrams for independent events	U558
	Share amounts in a ratio, Find the percentage an amount has been changed by	U577, U278
	Interpreting stem-and-leaf diagrams	U909
	Finding error intervals for truncated numbers	U301
	Finding unknown sides in right-angled triangles	U283
	Simplifying expressions using index laws	U662
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	Finding original values in percentage calculations	U286
	Finding the arc length of sectors	U221
	Grade 6-7	Compound interest calculations
Growth and decay		U988
Finding the area of trapeziums, Finding unknown sides in similar shapes		U265, U578
Converting recurring decimals to fractions		U689
Changing the subject when the subject appears more than once		U191
Equations of parallel and perpendicular lines		U898
The cosine rule, The area rule		U591, U592
Capture-recapture		U328
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Using Pythagoras' theorem in 2D, Finding the surface area of cones		U385, U523
Grade 8-9	Solving simultaneous equations involving quadratics	U547
	Reflecting graphs	U487
	Translating graphs	U598
	Distances from velocity-time graphs, Estimate areas under non-linear graphs	U611, U882
	Finding the turning point of a quadratic graph by completing the square	U769