

Maths Higher Sparks Summer Work 9-10

Topic	Sparx Code
Constructing inverse proportion equations	U138
Calculating with speed	U151
Calculating with speed, Finding error intervals for calculations	U151,U587
Calculating averages from histograms	U267
Graphs of trigonometric functions	U450
Using Pythagoras' theorem in 3D, Trigonometry in 3D shapes	U541,U170
Solving simultaneous equations involving quadratics	U547
Interpreting bar charts, Writing numbers as percentages of other numbers	U557,U925
Sharing amounts in a given ratio, Finding unknown sides in right-angled triangles	U577,U283
Writing algebraic proofs	U582
Solving quadratic equations graphically	U601
Expanding triple brackets	U606
Substituting into functions	U637
Substituting into functions, Solving quadratic equations by completing the square	U637,U589
Simplifying expressions using index laws	U662
Solving quadratic equations using the quadratic formula	U665
Percentage change with a calculator	U671
Rounding integers using significant figures	U731
Combining transformations	U766
Finding the volume of cubes and cuboids	U786
Drawing histograms with unequal class widths	U814
Drawing and interpreting frequency polygons	U840
Finding averages from diagrams	U854
Substituting into composite functions	U895
Using a calculator	U926
The sine rule, Finding the arc length of sectors	U952,U221
Growth and decay	U988
Plotting graphs of quadratic functions	U989