

**Maths**  
**Year 10 Foundation DC2**  
**Paper 1**



Topic	Sparx Code
Understanding, measuring and drawing angles	U447
Solving equations with one step	U755
Adding and subtracting with negative numbers	U742
Finding fractions of amounts without a calculator	U881
Adding and subtracting decimals	U478
Using a written method to multiply decimals	U293
Solving shape problems involving coordinates	U889
Adding and subtracting integers	U417
Finding averages from diagrams	U854
Interpreting bar charts, Experimental probabilities	U557,U580
Finding factors and using divisibility tests	U211
Finding the lowest common multiple (LCM)	U751
Using a written method to divide integers	U453
Using a written method to multiply integers	U127
Line and shape properties	U121
Finding percentages of amounts without a calculator	U554
Finding fractions of amounts without a calculator, Multiplying fractions	U881, U475
Finding the volume of cubes and cuboids	U786
Properties of 3D shapes	U719
Measuring and drawing bearings	U525
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Drawing and interpreting scale diagrams	U257
Writing and simplifying ratios	U687
Sharing amounts in a given ratio	U577
Comparing populations using diagrams	U520
Factorising into one bracket, Solving equations with one step	U365, U755
Substituting into expressions, Simplifying expressions by collecting like terms	U201, U105
Using standard form with negative indices	U534
Multiplying and dividing numbers in standard form	U264
Tree diagrams for independent events	U558
Finding original values in percentage calculations	U286
Index rules with positive indices, Calculating with roots and powers	U235, U851
Changing the subjects of formulae	U556
Finding the area of circles	U950
Graphs of reciprocal functions	U593
Changing the subjects of formulae	U556
Expanding double brackets	U768

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**Paper 2**



Topic	Sparx Code
Calculating with roots and powers	U851
Converting between fractions, decimals and percentages	U888
Using number lines	U922
Converting units of length, mass and capacity	U388
Reading, converting and calculating with time, Finding fractions of amounts	U902, U916
Using a calculator	U926
Estimating calculations	U225
Financial terminology and calculations	M901
Angles on a line and about a point	U390
Symmetry	U849
Frequency trees	U280
Finding fractions of amounts with a calculator	U916
Drawing bar charts	U363
Drawing and interpreting scale diagrams	U257
Finding the perimeter and area of similar shapes	U630
Venn diagrams	U476
Interpreting equations of straight line graphs	U669
Using and interpreting linear real-life graphs	U638
Plotting linear real-life graphs, Plotting straight line graphs	U652, U741
Solving simultaneous equations graphically	U836
Using algebraic notation	U613
Constructing and solving equations	U599
Finding the area of triangles, Calculating with pressure	U945, U527
Graphs of direct and inverse proportion	U238
Constructing loci	U820
Calculating with speed	U151
Using Pythagoras' theorem, Using ratios, Finding the area of rectangles	U385, U753, U993
Types of data	U322
Finding averages from grouped data	U877
Interpreting frequency tables with grouped data	U312
Solving double inequalities	U145
Converting between ratios, fractions and percentages	U176
Dividing fractions	U544
Calculating with ratios and algebra	U676
Position-to-term rules for arithmetic sequences	U498