

Maths Revision lists

Foundation Paper 1 Topics	SPARX Code
Simplifying expressions by collecting like terms	U105
Line and shape properties	U121
Using a written method to multiply and divide integers	U127, U453
Translation, Reflection, Rotation	U196, U799, U696
Substituting into expressions, Multiplying fractions	U201, U475
Substituting into expressions, Adding and subtracting fractions	U201, U736
Position-to-term rules for quadratic sequences	U206
Estimating calculations	U225
Index rules with positive indices	U235
Calculating with rates	U256
Converting units of length mass and capacity, Simplifying fractions	U388, U646
Writing probabilities as fractions	U408
Adding and subtracting integers	U417
Writing probabilities as fractions, decimals and percentages	U510
Enlargement by a positive scale factor	U519
Standard form with negative indices, Converting fractions decimals and percentages	U534, U888, U594
Multiplying and dividing with negative numbers	U548
Negative numbers, Converting between fractions, decimals and percentages	U548, U888
Finding percentages of amounts without a calculator	U554
Interpreting bar charts	U557
Multiplying column vectors by a scalar	U564
Sharing amounts in a given ratio	U577
Calculating experimental probabilities	U580
Graphs of reciprocal functions	U593
Constructing and solving equations	U599
Currency conversion	U610
Writing and simplifying ratios	U687
Calculating with roots and powers	U851
Using and finding equations of linear real-life graphs	U862
Solving equations with the unknown on both sides	U870
Finding fractions of amounts without a calculator	U881
Reading, converting and calculating with time	U902
Adding and subtracting column vectors	U903
Ordering negative numbers	U947
Ordering negative numbers, Ordering fractions decimals and percentages	U947, U594
Interpreting frequency tables and two-way tables	U981

Foundation Paper 2 Topics	SPARX Code
Function machines with numbers	M175
Function machines with letters	M428
Odd and even numbers	M777
Special sequences	M981
Line and shape properties	U121
Using lines of best fit	U128
Converting between ratios, fractions and percentages	U176
Expanding single brackets	U179
Problem solving: Area and perimeter of rectangles and compound shapes (Foundation)	U226
Finding prime numbers	U236
Interpreting scatter graphs	U277
Finding unknown sides in right-angled triangles	U283
Finding original values in percentage calculations	U286
Calculating the mean	U291
Finding percentages of amounts with a calculator	U349
Finding the perimeter of compound shapes	U351
Converting units of length, mass and capacity	U388
Understanding, measuring and drawing angles	U447
Using algebraic notation	U613
Operations with money	U659
Interpreting graphs of quadratic functions	U667
Systematic listing	U714
Solving direct proportion word problems	U721
Tree diagrams for dependent events	U729
Plans and elevations	U743
Understanding congruence	U790
Converting between fractions, decimals and percentages	U888
Solving shape problems involving coordinates	U889
Calculating with density	U910
Finding fractions of amounts with a calculator	U916
Fractions of amounts with a calculator, Percentages of amounts with a calculator	U916, U349
Writing numbers as percentages of other numbers	U925
Growth and decay	U988

Higher Paper 1 Topics	SPARX Code
Simplifying expressions by collecting like terms	U105
Changing the subjects of formulae with two or more steps	U181
Translation, Reflection, Rotation	U196, U799, U696
Multiplying with mixed numbers	U224
Estimating calculations	U225
Factorising to solve quadratic equations of the form $x^2+bx+c=0$	U228
Index rules with positive indices	U235
Frequency tables with grouped data, Calculating the range, quartiles and interquartile range	U312, U526, U961
Simplifying surds, Adding and subtracting surds, Rationalising the denominator	U338, U872, U707
Converting units of length mass and capacity, Simplifying fractions	U388, U646
Completing the square	U397
Mixed problems: Finding the volume of cones and spheres	U426
Comparing populations using box plots and cumulative frequency graphs	U507
Drawing pie charts	U508
Standard form with negative indices, Converting fractions decimals and percentages	U534, U888, U594
Sharing amounts in a given ratio	U577
Calculating experimental probabilities	U580
Graphs of reciprocal functions	U593
Constructing and solving equations	U599
Expanding triple brackets	U606
Interpreting cumulative frequency graphs	U642
Calculating with ratios and algebra, Combining ratios	U676, U921
Special sequences	U680
Index rules with negative indices	U694
Prime factor decomposition	U739
Venn diagrams with set notation	U748
Finding the turning point of a quadratic graph by completing the square	U769
Indices of the form a/b	U772
Geometric proofs with congruence and similarity	U887
Converting between fractions, decimals and percentages	U888
Solving shape problems involving coordinates	U889
Position-to-term rules for geometric sequences	U958

Higher Paper 2 Topics	SPARX Code
Simplifying algebraic fractions by cancelling common factors	U103
Enlargement by a positive or negative scale factor	U134
Interpreting pie charts	U172
Converting between ratios, fractions and percentages	U176
Graphs of exponential functions	U229
Conditional probabilities from tables, Interpreting frequency tables and two-way tables	U246, U981
Finding unknown sides in right-angled triangles	U283
Finding original values in percentage calculations	U286
Substituting into iterative formulae	U434
Using appropriate units	U497
Comparing populations using diagrams	U520
Calculating with pressure	U527
Tree diagrams for independent events, Expected results from repeated experiments	U558, U166
Finding bounds for calculations	U587
The cosine rule	U591
The area rule	U592
Using algebraic notation	U613
Simplifying expressions using index laws	U662
Interpreting graphs of quadratic functions	U667
Percentage change with a calculator	U671
Properties of 3D shapes	U719
Tree diagrams for dependent events	U729
Plans and elevations	U743
Graphs of linear inequalities	U747
Identifying parts of circles	U767
Solving geometric problems using vectors	U781
Solving simultaneous equations graphically	U836
Equations of parallel and perpendicular lines	U898
The sine rule	U952
Factorising the difference of two squares	U963
Growth and decay	U988