




Year 11 PPE#2

Foundation March 2026




Paper 1 (non calc)

Topic	Sparx Code	R 	A 	G 
Simplifying expressions by collecting like terms	U105			
Line and shape properties	U121			
Using a written method to multiply integers	U127			
Using lines of best fit	U128			
Interpreting pie charts	U172			
Converting between ratios, fractions and percentages	U176			
Substituting into expressions	U201			
Finding factors and using divisibility tests	U211			
Estimating calculations	U225			
Interpreting scatter graphs	U277			
Calculating the mean	U291			
Converting units of length, mass and capacity	U388			
Adding and subtracting integers	U417			
Understanding, measuring and drawing angles,	U447			
Calculating the median	U456			
Adding and subtracting decimals	U478			
Enlargement by a positive scale factor	U519			
Calculating the range,	U526			
Finding percentages of amounts without a calculator	U554			
Tree diagrams for independent events	U558			
Presenting data and making conclusions	U571			
Constructing and solving equations	U599			
Finding the circumference of circles	U604			
Using algebraic notation	U613			
Angles in triangles	U628			
Writing and simplifying ratios	U687			
Choosing suitable averages and solving problems	U717			
Solving direct proportion word problems	U721			
Multiplying and dividing with place value	U735			
Adding and subtracting fractions	U736			
Plotting straight line graphs	U741			
Finding the lowest common multiple (LCM)	U751			
Using equivalent ratios to find unknown amounts	U753			
Symmetry	U849			
Calculating with roots and powers	U851			
Solving equations with the unknown on both sides	U870			
Converting between fractions, decimals and percentages	U888			
Reading, converting and calculating with time	U902			
Finding the area of circles	U950			
Using the correct order of operations	U976			

Paper 2 (calc)

Topic	Sparx Code	R 	A 	G 
Line and shape properties	U121			
Using lines of best fit	U128			
Substituting into real-life formulae	U144			
Solving double inequalities	U145			
Calculating with speed	U151			
Interpreting line graphs	U193			
Translation	U196			
Term-to-term rules	U213			
Estimating calculations	U225			
Finding prime numbers	U236			
Finding the mode	U260			
Finding percentages of amounts with a calculator	U349			
Converting units	U388			
Writing probabilities as fractions	U408			
Using appropriate units	U497			
Position-to-term rules for arithmetic sequences	U498			
Writing probabilities	U510			
Substituting into position-to-term rules	U530			
Finding averages from frequency tables	U569			
Finding the circumference of circles,	U604			
Using algebraic notation	U613			
Finding error intervals	U657			
Special sequences	U680			
Probabilities of mutually exclusive events	U683			
Writing and simplifying ratios	U687			
Rotation	U696			
Properties of 3D shapes	U719			
Solving direct proportion word problems	U721			
Using equivalent ratios to find unknown amounts	U753			
Identifying parts of circles	U767			
Reading and plotting coordinates	U789			
Solving simultaneous equations graphically	U836			
Congruent triangles	U866			
Converting between fractions, decimals and percentages	U888			
Solving shape problems involving coordinates	U889			
Using algebraic notation	U613			
Finding fractions of amounts	U916			
Writing percentages	U925			
Finding the area of triangles	U945			
Finding the area and perimeter	U993			

Paper 3 (calc)

Topic	Sparx Code	R 	A 	G 
Function machines with numbers	M175			
Function machines with letters	M428			
Sample space diagrams	U104			
Simplifying expressions by collecting like terms	U105			
Expected results from repeated experiments	U166			
Converting ratios, fractions and percentages	U176			
Expanding single brackets	U179			
Term-to-term rules	U213			
Drawing and interpreting scale diagrams	U257			
Finding unknown sides in right-angled triangles	U283			
Finding equations of straight line graphs	U315			
Finding percentages of amounts with a calculator	U349			
Drawing bar charts	U363			
Using Pythagoras' theorem in 2D	U385			
Writing probabilities as fractions	U408			
Adding and subtracting integers	U417			
Adding and subtracting decimals	U478			
Drawing and interpreting pictograms	U506			
Measuring and drawing bearings	U525			
Interpreting bar charts	U557			
Sharing amounts in a given ratio	U577			
Substituting into algebraic formulae	U585			
Changing the subjects of formulae with one step	U675			
Special sequences	U680			
Writing and simplifying ratios	U687			
Solving direct proportion word problems	U721			
Angles in quadrilaterals	U732			
Using equivalent ratios to find unknown amounts	U753			
Solving equations with one step	U755			
Calculating with density	U910			
Finding the volume of cylinders	U915			
Finding fractions of amounts with a calculator	U916			