

### Y11 November Maths Mock – Higher

Here are the blank exam feedback sheets for each paper:

#### **Paper 1:**

<b>Topic</b>	<b>Sparx Code</b>
Position-to-term rules for arithmetic sequences	U498
Adding and subtracting mixed numbers	U793
Multiply with mixed numbers, Convert mixed numbers & improper fractions	U224,U692
Finding the area of compound shapes, Solving direct proportion word problems	U970,U721
Solving direct proportion word problems	U721
Venn diagrams with set notation	U748
Estimating calculations	U225
Finding equations of straight line graphs	U315
Equations of parallel lines	U377
Fractions of amounts, Combine ratios, Convert between fractions & percentages	U881,U921,U888
Calculating the mean	U291
Finding the percentage an amount has been changed by	U278
Solving simultaneous equations using elimination	U760
Combining transformations	U766
Interpreting graphs of quadratic functions	U667
Graphs of cubic functions	U980
Graphs of reciprocal functions	U593
Drawing histograms with unequal class widths	U814
Interpreting histograms	U983
Expanding triple brackets	U606
Finding the arc length of sectors, Finding the area of sectors	U221,U373
Tree diagrams for dependent events, Multiplying algebraic fractions	U729,U457
Rationalising denominators containing a single term	U707
Adding and subtracting surds	U872
Converting recurring decimals to fractions	U689
Finding unknown sides in similar shapes, Writing and simplifying ratios	U578,U687
Index rules with positive indices, Indices of the form $a/b$	U235,U772
Surface area and volume of cuboids, Simultaneous equations involving quadratics	U929,U786,U547
The cosine rule, Using the exact values of trigonometric ratios (Higher)	U591, U319
Equations of circles & tangents, Find the equation of a straight line from 2 points	U567,U848

**Paper 2:**

<b>Topic</b>	<b>Sparx Code</b>
Finding the highest common factor	U529
Using standard form with positive indices	U330
Using standard form with negative indices	U534
Adding and subtracting numbers in standard form	U290
Plans and elevations	U743
Growth and decay	U988
Calculating with density	U910
Tree diagrams for independent events	U558
Finding the volume of cylinders, Calculating with rates	U915,U256
Multiplying column vectors by a scalar, Understanding column vectors	U564,U632
Finding the volume of cubes and cuboids, Finding the volume of pyramids	U786,U484
Calculating with ratios and algebra	U676
Drawing box plots	U879
Comparing populations using box plots and cumulative frequency graphs	U507
Enlargement by a positive or negative scale factor	U134
Using the product rule for counting	U369
Compound interest calculations	U332
Simplifying algebraic fractions by cancelling common factors	U103
Factorising quadratic expressions of the form $ax^2+bx+c$	U858
Dividing algebraic fractions	U824
Tree diagrams for dependent events	U729
Substituting into iterative formulae	U434
The area rule, The sine rule	U592,U952
Finding bounds for calculations, Standard form with a calculator	U587,U161
Term-to-term rules, Constructing and solving equations	U213, U599
Geometric sequences, Factorise to solve quadratics of the form $ax^2+bx+c=0$	U958, U960
Circumference of circles, Using the exact values of trigonometric ratios (Higher)	U604,U319