End of year assessment Mathematics – Year 10 Foundation revision checklist

If your Sparx link begins with 'U' then please use the GCSE content.

If your Sparx link begins with 'M' then please use the key stage 3 content.

Equipment needed:

- Pen (x2)
- Pencil
- Protractor
- Ruler
- Compass
- Calculator (for papers 2 and 3)

Paper 1 (non-calculator)

Topic	Sparx link	Revised?
Adding and subtracting decimals	U478	
Using a written method to divide with decimals	U868	
Adding and subtracting with negative numbers	U742	
Using the correct order of operations	U976	
Finding fractions of shapes	U679	
Multiplying fractions	U475	
Converting between fractions, decimals and percentages	U888	
Finding fractions of amounts without a calculator	U881	
Simplifying expressions using index laws	U662	
Interpreting equations of straight line graphs	U669	
Reading, converting and calculating with time	U902	
Converting units of length, mass and capacity	U388	
Solving inverse proportion word problems	U357	
Understanding similarity	U551	
Reflection	U799	
Sample space diagrams	U104	
Calculating the median	U456	
Calculating the mean	U291	

Paper 2 (calculator)

Topic	Sparx link	Revised?
Simplifying expressions using index laws	U662	
Reading, converting and calculating with time	U902	
Converting units of length, mass and capacity	U388	
Calculating with roots and powers	U851	
Using a calculator	U926	
Finding error intervals	U657	

Topic	Sparx link	Revised?
Ordering fractions, decimals and percentages	U594	
Finding factors and using divisibility tests	U211	
Substituting into real-life formulae	U144	
Expanding single brackets	U179	
Constructing and solving equations	U599	
Solving simultaneous equations graphically	U836	
Special sequences	U680	
Plotting straight line graphs	U741	
Using equivalent ratios to find unknown amounts	U753	
Symmetry	U849	
Combining angle facts	U655	
Angles in polygons	U427	
Identifying parts of circles	U767	
Finding the circumference of circles	U604	
Finding the volume of spheres	U617	
Drawing and interpreting scale diagrams	U257	
Calculating bearings	U107	
Expected results from repeated experiments	U166	
Tree diagrams for independent events	U558	
Finding averages from frequency tables	U569	
Drawing and interpreting pictograms	U506	
Interpreting scatter graphs	U277	
Using lines of best fit	U128	

Paper 3 (calculator)

Topic	Sparx link	Revised?
Converting units of length, mass and capacity	U388	
Symmetry	U849	
Finding fractions of shapes	U679	
Understanding and ordering decimals	U435	
Solving equations with one step	U755	
Value for money	M681	
Finding original values in percentage calculations	U286	
Compound interest calculations	U332	
Finding the lowest common multiple (LCM)	U751	
Finding the highest common factor (HCF)	U529	
Using algebraic notation	U613	
Simplifying expressions by collecting like terms	U105	
Changing the subjects of formulae	U556	
Term-to-term rules	U213	
Interpreting equations of straight line graphs	U669	

Equations of parallel lines	U377	
Reading, converting and calculating with time	U902	
Calculating with speed	U151	
Finding the area of triangles	U945	
Understanding similarity	U551	
Finding unknown sides in similar shapes	U578	
Constructing triangles	U187	
Writing probabilities as fractions	U408	
Writing probabilities as fractions, decimals and percentages	U510	
Venn diagrams	U476	
Frequency trees	U280	
Drawing pie charts	U508	
Interpreting pie charts	U172	