

**Expressions, Equations and Sequences:**

Objective	Sparx Task	
Simplify expressions by collecting like terms with positives coefficients	U105	
Simplify terms by collecting like terms with negative coefficients	U105	
Find the output of a two step function machine	M175	
Find the input of a function machine given the output	M175	
Multiply terms	M608	
Divide terms	M608	
Expand single brackets by an integer	M237	
Expand single brackets by an integer term	M237	
Do the same to both sides of any equation to maintain balance	M707	
Solve one step equations by balancing	M707	
Solve one step equations with fractions	M707	
Solve two step equations with positive, negative and fractional solutions	M509	
Write simple equations from area or perimeter of shapes	M957	
Continue number sequences by add, subtract multiply or divide	M381	
Describe the term rule and find missing values in sequences	M381	
Plot coordinates in all 4 quadrants	M618	

Generate coordinates from a number machine	M932	
Find the midpoint of a line segment	M622	
Recognise and describe an arithmetic sequence	M381	
Continue arithmetic sequences from patterns	M241	
Generate terms of a sequence using the position to term rule	M991	
Find the nth term of simple sequences from diagrams	M991	
Describe the nth term of simple sequences e.g. $2n$ , $5n$ , $2n+1$	M991	