

**Calculating:**

Objective	Sparx Task	
Addition and subtraction using bar modelling	U478	
Understand and use the laws of commutativity		
Use the adjusting method to solve addition and subtraction problems		
Position negative integers on a number line	U947	
Add and subtract with positive and negative numbers	U742	
Add and subtract integers using column method	U478	
Multiply integers using formal written methods	U127	
Divide integers by single digit integers	U453	
Multiply with negative numbers	U548	
Divide with negative numbers	U548	
Divisibility Rules		
Identify factors using division	U211	
Identify prime numbers	U236	
Identify and use multiples of numbers		
Find the LCM of a set of numbers	U751	
Find the HCF of a set of numbers	U529	
Index notation for squares and calculating with squares and square roots		
Index notation and writing a number as a product of prime factors	U250	
Calculating square and cube roots using factorisation		
Order of operations with addition, subtraction, multiply and divide	U976	
Order of operations with powers	U976	
Calculations under a square root		
More complicated operations involving calculations on numerators and denominators		
Squaring negatives on a calculator and using a calculator		

## Expressions, Functions and Formulae:

Objective	Sparx Task	
What is a term and what is the coefficient term		
Identify term, expression, formula and equation		
Collecting like terms with positive coefficients	U105	
Collecting like terms with negative coefficients	U105	
Collecting like terms more practice combining positive and negative terms	U105	
Multiplying terms	U662	
Dividing terms	U662	
Simplify terms using multiplication and division	U662	
Multiply an integer over a bracket	U179	
Multiply a single term over a bracket	U179	
Expand and simplify multiple single brackets	U179	
Factorise an algebraic expression with integer factor	U365	
Construct simple expressions from words		
Substitute positive and negative numbers into expressions and formulae	U585 U144	
Substitute positive and negative numbers into expressions involving powers	U585 U144	
Use function machines to find the input, output or function	M428	
Solve missing number problems using inverse operations		