

**Calculating:**

Objective	Sparx Task	
Represent negative numbers on a number line	M767	
Interpret negative values in context e.g. temperature, debt		
Compare and order positive and negative numbers including inequality signs	M527	
Understand the relationship between addition and subtraction using bar modelling		
Understand the laws of commutativity - priority of operations with + and –	M952	
Use the adjusting method to solve addition and subtraction problems		
Add and subtract using the column method	M928, M347	
Recall multiplication facts and associated division facts	M409	
Use formal method to multiply numbers by a single digit integer	M187	
Identify operation required to solve worded problems	M521	
Add and subtract positive and negative numbers	M106	
Priority of operations with multiplication and division	M521	
Priority of operations with + - x and divide	M521	
Priority of operations including brackets	M521	
What is a factor; listing factors of numbers	M823	
Divisibility rules for 2,3,4,5,6,8,9,10	M823	
What is a multiple; listing multiples of numbers		
Recognise square numbers	M135	
Squares and square roots of numbers and how to find on a calculator	M135	
Index notation for powers and on a calculator	M757	

## Expressions, Functions and Formulae:

Objective	Sparx Task	
What is a term and what is the coefficient of the term		
Identify term, expression, formulae and equation		
Collect like terms by adding	M795	
Collect like terms with subtracting (and adding)	M795	
Multiply terms e.g $2 \times p$ and $p \times q$	M120	
Simplify terms using repeated multiplication e.g. $p^2$ $(2p)^2$ $p \times p \times p$	M120	
Divide terms	M120	
Multiply a bracket by a number	M237	
Multiply a bracket by a single term	M237	
Simplify more complicated expressions by collecting like terms e.g. $3(x+4)-2(2x-5)$	M792	
Write expressions to represent function machines	M428	
Write expressions from word descriptions using addition subtraction and multiplication	M428	
Find the output of a function machine	M428	
Substitute positive integers into simple expressions	M327	
Find the input given the output of a function machine	M428	
Find the function given the input and the output.	M428	