Year 7 Objective List – Intermediate   HT2 – 2022-23

Calculating:

Objective	Sparx Task	
Represent negative numbers on a number line	U947	
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	U478	
Recall multiplication facts and associated division facts	M409	
Use formal method to multiply numbers by a single digit integer	U127	
Identify operation required to solve worded problems		
Add and subtract positive and negative numbers	U742	
Priority of operations with multiplication and division	U976	
Priority of operations with + - x and divide	U976	
Priority of operations including brackets	U976	
What is a factor; listing factors of numbers	U211	
Divisibility rules for 2,3,4,5,6,8,9,10	M823	
What is a multiple; listing multiples of numbers		
Recognise square numbers		
Squares and square roots of numbers and how to find on a calculator		
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	U105	
Collect like terms with subtracting (and adding)	U105	
Multiply terms e.g 2 x p and p x q	U662	
Simplify terms using repeated multiplication e.g. p^2 $(2p)^2$ $p \times p \times p$	U662	
Divide terms	U662	
Multiply a bracket by a number	U179	
Multiply a bracket by a single term	U179	
Simplify more complicated expressions by collecting like terms e.g. 3(x+4)-2(2x-5)	U179	
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	U585 U144	
Find the input given the output of a function machine	M428	
Find the function given the input and the output.	M428	