Year 7 – Reasoning with number Term 6 Mastery Maths

Stage	Description		
	Section A Prerequisites	**Section B** Sets and Probability	**Section C** Primes numbers and Proof
Emerging	• Can find the area of a square and rectangle.	• Can identify and draw different angle types. • Can identify angle properties or regular and irregular shapes. • Can find the area of regular shapes	• Understand the relationship between volume and area. • Understand that volume of the space occupied by a 3D object • Can represent volume using cubes.
Developing	• Can apply commutative/associative vocab and can manipulate addition/subtraction to make it easier. • Can apply multiple strategies to multiplication/division questions. • Understanding even vs odd Can use simple probability vocabulary, including more/less likely • Understand the term 'divisible' • Can identify factors & multiples	• Can use the language of sets (Universal set/element/member/set/inclusive). • Can organise information into set notation. • Can organise numbers into sets (factors, multiples, odd and even) • Understand the sum of probability is always equal to 1.	• Can identify prime numbers (using arrays/rectangle) • Can identify if a number is a square number. • Can identify if a number is a triangle number.
Secure		• Can interpret and draw venn diagrams. • Can list outcomes, including using set notation.	• Can find the highest common factor of two numbers. • Can find the lowest common multiple of two numbers. • Can write a number as a product of its prime factors
Excellence		• Show a deep understanding of set notation language (Intersection, union & complement of sets & mutually exclusive understanding)	• Can use prime factor decomposition to find the highest common factor and lowest common multiple of two numbers. • Can use substation to identify if a number is prime/square/triangular (if a = 4 which expression is prime/square/triangular)