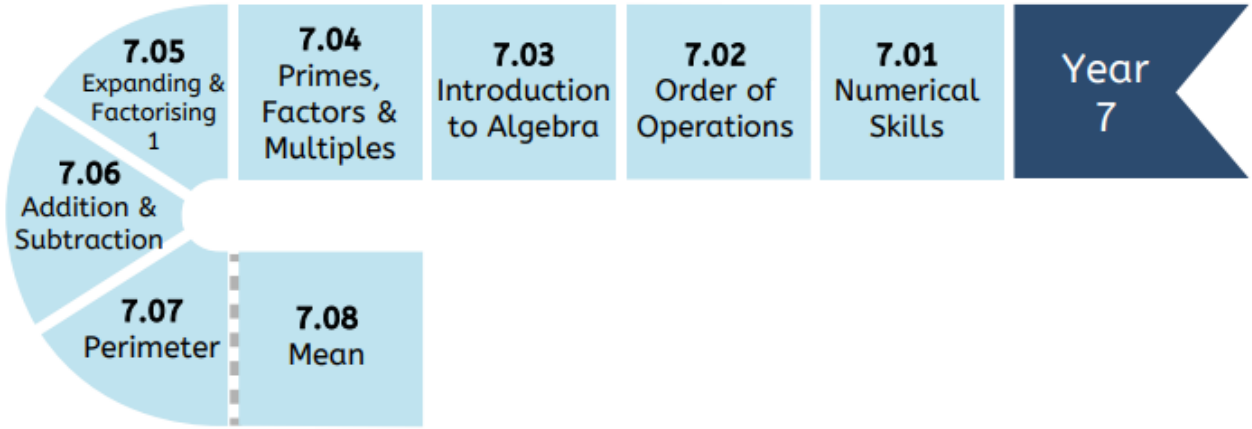
Holland Park School | *Year 7 Maths: Autumn Term*



Overview	Year 7 Autumn Term Topics – 7.01 to 7.09
Assessment	Fortnightly Topic Assessment
Key words	Multiple Factor Venn diagram Prime number Prime factor Square Lowest common multiple (LCM) Highest common factor (HCF) Divisibility Horizontal Algebraic expression Term Formula Substitute Integer Linear Simplify

Topics	Key content	Sparx Clips	Knowledge Organiser link
7.01 Numerical Skills	Understand and use place value for decimals. Calculations with negative numbers. Estimate calculations by rounding.	M763, M704, M522, M527, M135, M111, M431, M878	
7.02 Order of Operations	Solve calculations requiring understanding of B-I-D-M-AS (know that the inverse of squaring is 'square rooting')	M521	

7.03 Introduction to Algebra	Introduce the concept of algebra, simplify expressions, manipulate expressions through simple one-step rearranging, substitute positive and negative integers into expressions, solve simple one step equations. Substitute and solve.	M106, M830, M813, M795, M531, M417, M327, M208, M979	
7.04 Prime, Factors and Multiples	Use the concepts and vocabulary of prime numbers, factors (or divisors), multiples, common factors, common multiples, highest common factor, lowest common multiple	M227, M823, M698, M322, M829	
7.05 Expanding and Factorising	Simplify and manipulate algebraic expressions to maintain equivalence by multiplying a single term over a bracket or by taking out common factors	M288, M237, M792, M100	
7.06 Addition and Subtraction	Use Addition and Subtraction, including formal written methods, applied to integers, decimals	M928, M429, M347, M152, M899	
7.07 Perimeter	Calculate and solve problems involving perimeters of rectangles and compound shapes (not circles)	M920, M635, M690	
7.08 Multiplication and Division	Use Multiplication and Division, including formal written methods, applied to integers & decimals	M113, M911, M187, M803, M462, M354, M873, M262	
7.09 Mean	Describe, interpret and compare observed distributions of a single variable through the use of the mean	M940	