

Year 7 Overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Algebraic Thinking						Place Value and Proportion					
	Sequences		Understand and use algebraic notation		Equality and equivalence		Place value and ordering integers and decimals			Fraction, decimal and percentage equivalence		
Spring	Applications of Number						Directed Number			Fractional Thinking		
	Solving problems with addition & subtraction		Solving problems with multiplication and division		Fractions & percentages of amounts		Operations and equations with directed number			Addition and subtraction of fractions		
Summer	Lines and Angles						Reasoning with Number					
	Constructing, measuring and using geometric notation		Developing geometric reasoning				Developing number sense		Sets and probability		Prime numbers and proof	

Term 2A - Applications of Number

Topic	Small Steps
Addition and Subtraction	1) Properties of addition and subtraction
	2) Mental strategies for addition and subtraction
	3) Use formal methods for addition of integers
	4) Use formal methods for addition of decimals
	5) Use formal methods for subtraction of integers
	6) Use formal methods for subtraction of decimals
	7) Choose the most appropriate method: mental, formal or written
	8) Solve problems in the context of perimeter
	9) Solve financial maths problems
	10) Solve problems involving tables and timetables
	11) solve problems with frequency trees
	12) Solve problems with bar charts and line charts
	13) Add and subtract number in standard form (H)
Multiplication and division	1) Properties of multiplication and division
	2) Understand and use factors
	3) Understand and use multiples
	4) Multiply and divide integers by powers of 10
	5) Multiply by 0.1 and 0.01 (H)
	6) Convert metric units
	7) Use formal methods to multiply integers
	8) Use formal methods to multiply decimals
	9) Use formal methods to divide integers
	10) Use formal methods to divide decimals
	11) Understand and use order of operations
	12) Solve problems using the area of rectangles and parallelograms
	13) Solve problems using the area of triangles
	14) Solve problems using the area of trapezia (H)
	15) Solve problems using the mean
	16) Explore multiplication and division in algebraic expressions (H)
Fractions and Percentages of Amounts	1) Find a fraction of a given amount
	2) Use a given fraction to find the whole and/or other fractions
	3) Find a percentage of a given amount using mental methods
	3) Find a percentage of a given amount using a calculator
	4) Solve problems with fractions greater than one and percentages greater than 100 (H)