Year 8	Term 1	
Stage	**Description**	
	Section A Rounding, Factors , Multiples , Primes	**Section B** Decimal Calculations	**Section C** Fractions, Decimals and Percentages
Emerging	• Understand the use of notation for powers • Can determine the exact value of a number written using powers.	• Can understand the value of each digit in a decimal number. • Can add/subtract decimal numbers, aligning the numbers so that the decimal points are in the same position.	• Can add fractions with a common denominator using and showing a clear method. • Can subtract fractions with a common denominator using and showing a clear method.
Developing	• Round to a given number of decimal places. • Round to a given number of significant figures.	• Can multiply and divide decimal numbers. • Can use decimal numbers in a real life context.	• Can add fractions without a common denominator using and showing a clear method. • Can subtract fractions without a common denominator using and showing a clear method.
Secure	• Know how to identify any significant figure in any number. • Approximate by rounding to any significant figure in any number.	• Can multiply or divide decimal numbers in the context of shape questions. • Apply rules of decimals multiplication and division to abstract scenarios.	• Multiply or divide fractions. • Convert a fraction to a decimal by scaling (when possible) • Write a decimal as a percentage. • Write a fraction as a percentage.
Excellence	• Can identify numbers which specifically meet criteria stated e.g. prime, factors, multiples and use them in the correct context.	• Understands how to manipulate numbers given in order to make a calculation equivalent. • Use the correct notation for decimal numbers for example money.	• Write one quantity as a fraction of another • Explore links between fractions, decimals and percentages