

Topic	Knowledge
General Number Sense	I can convert numbers into and out of different bases
	I understand the concept of place value and can identify the place value in a number
	I understand the concept of a fraction or percentage and I can represent these in different
	I can order decimals from smallest to largest or largest to smallest. I understand the meaning of ascending and descending in this context. I can use inequality signs correctly
	I can order positive and negative integers correctly and can find the median of these
	I can convert between fractions, decimals and percentages. I can recall the most common conversions from memory
	I can round numbers to the nearest 10,100 & 1000
	I can round a number to 1, 2 or 3 decimal places
	I can round a number to 1, 2 or 3 significant figures
	I understand why estimation can be useful.
	I can use estimation to approximate answers to numerical problems
	I can calculate the upper and lower bounds values.
	General Number Sense - Addition
I can add negative integers	
I can add positive and negative decimals	
I can add positive and negative unit fractions	
I can add positive and negative fractions	
I can add positive and negative mixed number fractions	
I can add together like terms	
General Number Sense - Multiplication	I can show multiplication as a diagram
	I can multiply 1-digit positive numbers
	I can multiply multi-digit positive integers
	I can multiply multi-digit positive integers
	I can multiply and divide in base 10
	I can divide multi-digit integers
	I can use multiplication facts to test for divisibility.
	I can add positive and negative mixed number fractions
	I can add together like terms
	I can calculate the perimeter of 2D shapes
	I can list prime numbers and write a number as a product of primes
	I can multiply negative integers
	I can multiply integers by positive unit fractions
	I can multiply integers by positive fractions
	I can multiply integers by negative fractions
	I can calculate a percentage of an amount
I can multiply an integer by a decimal	
I can divide integers by a decimal	
I can multiply decimals	

General Number Sense - Multiplication	I can divide decimals
	I can multiply a vector by a scalar
	I can multiply algebra
	I can divide algebra
	I can expand a single bracket by an integer
	I can find factors of integers and algebra
	I can calculate the HCF
	I can calculate the LCM
	I can calculate the area of a rectangle and triangle
Number Sense Indices	I can calculate the square of any number
	I can calculate the square root of any number
	I understand the concept rational and irrational numbers
	I can identify irrational numbers
	I can simplify surds
	I understand the hierarchy of operations and can use the concept for any calculation
	I can identify and a cube number
	I can convert numbers to standard form and vise-versa
	I can multiply and divide numbers in standard form
I can add numbers in standard form	