	EMERGING	DEVELOPING	SECURE	MASTERY
Year 7 Autumn 1	Shows a basic awareness of key number words (e.g., numerator, denominator) and simple place-value ideas. Can order some numbers and round with support. Checks answers using simple estimation when prompted.	Understands place value and comparisons, including negative numbers, with growing accuracy. Can order whole numbers/decimals and round to required place values in familiar tasks. Begins to use estimation and approximation independently to check answers.	Confidently understands and applies key number concepts, including significant figures, decimal places and proportional reasoning. Accurately orders, rounds and uses appropriate rounding strategies in a range of problems. Uses estimation effectively to evaluate the reasonableness of answers, including when using technology.	Demonstrates deep understanding of number structure, proportion, rounding and comparison, applying these flexibly in unfamiliar contexts. Chooses and justifies the most efficient rounding or estimation strategy for different problems. Evaluates results critically and reliably, showing strong mathematical reasoning and independence.
Year 7 Autumn 2	Shows a basic understanding of key fraction words (numerator, denominator, factor, simplify). Can multiply whole numbers using simple methods and identify some equivalent fractions. Moves between fractions and decimals with support.	Understands and uses written methods for multiplying/ dividing integers and decimals in familiar situations. Can simplify fractions and convert between improper fractions and mixed numbers with growing accuracy. Begins to use fractions and decimals together to support calculations.	Accurately multiplies/divides integers and decimals (including powers of 10 and negative numbers). Confidently simplifies, converts, compares and orders fractions, including mixed and improper forms. Uses fractions and decimals interchangeably to solve multi-step problems and explain reasoning.	Applies advanced fluency with fractions, decimals and written methods to unfamiliar contexts. Chooses efficient strategies for multiplying/dividing fractions, integers and decimals, justifying each step. Moves seamlessly between fractions and decimals to support predictions, explanations and higher-level problem solving.

	EMERGING	DEVELOPING	SECURE	MASTERY
Year 7 Spring 1	Shows basic awareness of key geometry facts and sequence vocabulary. Can add and subtract using written methods with support. Finds simple perimeters and recognises some angle types when guided. Generates simple terms in a sequence when the rule is given.	Understands and uses angle facts (point, line, triangle, quadrilateral) in familiar problems. Adds/subtracts integers, decimals and fractions with growing accuracy. Finds perimeters of rectangles and compound shapes in routine tasks. Generates sequences from term-to-term rules and identifies simple patterns.	Applies angle facts confidently to find unknown angles across a range of shapes. Adds and subtracts fractions with different denominators, mixed numbers, integers and decimals accurately. Finds perimeters of a variety of 2D shapes and explains reasoning. Generates and describes sequences, including Fibonacci-type sequences, using clear rules.	Uses angle and perimeter knowledge flexibly to model, justify and estimate in unfamiliar contexts. Chooses efficient strategies for calculations involving integers, decimals and fractions. Analyses sequences deeply, spotting patterns and using them to make predictions and mathematical generalisations.
Year 7 Spring 2	Shows basic awareness of key number terms such as factor, multiple, prime, power, and root. Recognises some square numbers and can use a calculator for simple inputs. Begins to follow BIDMAS with support and interpret very large/small numbers when guided.	Understands and uses factors, multiples, primes, LCM and HCF in familiar situations. Can work with square numbers, powers and roots with growing confidence. Begins to interpret and use standard form in straightforward contexts. Uses BIDMAS and inverse operations with increasing accuracy.	Finds LCM, HCF and prime factor decompositions accurately and explains the steps. Applies index laws confidently and uses powers, roots and reciprocals in a range of problems. Interprets and calculates with standard form numbers, including multiplying and dividing, with and without a calculator. Uses order of operations accurately and interprets calculator output clearly.	Applies knowledge of powers, roots, index laws and standard form flexibly in unfamiliar scientific and mathematical contexts. Selects efficient strategies to work confidently with very large and very small numbers. Demonstrates deep understanding of number structure and inverse relationships to justify reasoning and solve complex problems. Uses calculator outputs critically and accurately within real-world contexts.

	EMERGING	DEVELOPING	SECURE	MASTERY
Year 7 Summer 1	Shows a basic understanding that percentages mean “parts per hundred.” Can convert simple values between fractions, decimals or percentages with support. Calculates straightforward percentages of quantities when guided. Recognises percentage change ideas but needs help applying them.	Expresses quantities as fractions or percentages and converts between forms with growing accuracy. Calculates percentages of amounts, including percentage changes, in familiar situations. Compares quantities using equivalent fractions, decimals and percentages in routine problems. Begins to identify fractions/percentages in financial contexts such as simple interest.	Works confidently with fractions, decimals and percentages to compare quantities and solve multi-step problems. Calculates percentage change, original values and percentage multipliers accurately. Converts between all forms (fractions, decimals, percentages) fluently, including values greater than 100%. Solves problems involving simple interest and financial mathematics with clear reasoning.	Moves seamlessly between fractions, decimals and percentages to model, estimate and justify decisions in unfamiliar contexts. Applies percentage change, original value problems and financial concepts (e.g., simple interest) to real-world scenarios with insight. Compares and evaluates quantities using percentages to support evidence-based conclusions in financial and statistical decision making. Shows strong independence, selecting the most efficient method and explaining reasoning clearly.
Year 7 Sumeer 2	Shows basic awareness of metric prefixes such as milli-, centi- and kilo-. Can use standard units (mass, length, time, money) with support. Begins to convert between simple units when guided.	Understands and uses metric units for length, area, volume and capacity in familiar tasks. Converts between standard units with growing accuracy. Chooses appropriate units for straightforward measurements and estimates in everyday contexts.	Converts confidently between a wide range of metric units, including length, area, volume, mass and time. Selects suitable units for measuring, estimating and solving practical problems. Uses measurement skills accurately and consistently in multi-step problems across contexts.	Applies measurement knowledge flexibly to unfamiliar real-world, scientific and technological scenarios. Chooses the most efficient units and methods, justifying estimates and calculations clearly. Demonstrates strong understanding of why measurement systems matter, using them to make well-reasoned comparisons, decisions and predictions.