Unit		Lesson name	Step No.	Learning Objectives	Expected Standard (EXS)	Greater Depth Standard (GDS)
Place Value - Block 1		Numbers to 1,000,000	1	To read, write, order and compare numbers up to 1,000,000 and understand the value of each digit.	Pupils read, write, and understand the value of digits in numbers up to 1,000,000.	Pupils explain the structure of large numbers and compare them using place value reasoning.
		Numbers to 10,000,000	2	To read, write, order and compare numbers up to 10,000,000 and understand the place value of each digit.	Pupils read, write and interpret numbers up to ten million.	Pupils explain number patterns and relationships across millions, thousands, and units.
		Read And Write Numbers to 10,000,00	3	To read and write numbers up to ten million in numerals and words.	Pupils confidently read and write numbers to 10,000,000 in numerals and words.	Pupils apply understanding of digit value and place to write large numbers flexibly and explain real-world relevance.
		Powers Of 10	4	To recognise and use powers of 10 to understand place value and scale large numbers.	Pupils identify and use powers of 10 to multiply and divide whole numbers.	Pupils explain how the position of digits changes when scaling by powers of 10 and apply this in complex problems.
		Number Line to 10,000,000	5	To position and estimate numbers up to 10,000,000 on a number line.	Pupils place and estimate numbers on a number line up to ten million.	Pupils justify placements using known benchmarks and scale intervals, including rounding to guide estimation.
		Compare And Order Any Integers	6	To compare and order positive and negative integers using place value and reasoning.	Pupils compare and order positive and negative whole numbers using symbols and reasoning.	Pupils explain comparisons across zero and justify sequences using number lines or contextual examples.
		Round Any Integer	7	To round any whole number to a required degree of accuracy (e.g. nearest 10, 100, 1,000, etc.).	Pupils round any whole number to a required degree of accuracy.	Pupils apply rounding flexibly to different contexts (e.g. population, distance) and evaluate approximation.
		Negative Numbers	8	To interpret and calculate with negative numbers in context, including crossing zero.	Pupils calculate with and interpret negative numbers in context (e.g. temperature, bank balances).	Pupils explain operations across zero, solve multi-step problems, and reason about negative values in real-world contexts.
		Assessment				
Addition, Subtraction, Multiplication and Subtraction - Block 2		Add & Subtract Integers	1	To add and subtract positive and negative integers using mental and written methods.	Pupils add and subtract positive and negative integers using efficient written and mental strategies.	Pupils solve multi-step problems involving integers and explain reasoning across zero.
		Common Factors	2	To find common factors of two or more numbers and use them to simplify calculations.	Pupils identify common factors of two or more numbers.	Pupils use common factors to simplify and explain calculations or relationships between numbers.
		Common Multiples	3	To identify common multiples and apply them to solve problems, including LCM.	Pupils find and use common multiples to solve problems, including LCM contexts.	Pupils reason about patterns in common multiples and apply them in real-life contexts.
		Rules of Divisibility	4	To use divisibility rules to determine if a number is divisible by another.	Pupils use divisibility rules to identify factors and check calculations.	Pupils apply divisibility rules fluently and explain strategies for checking divisibility efficiently.
		Primes to 100	5	To identify prime numbers up to 100 and recall key facts.	Pupils identify prime numbers to 100 and recall prime facts.	Pupils explain and justify whether a number is prime and apply prime facts in problem solving.
		Square and Cube Numbers	6	To recognise and use square and cube numbers and understand their notation.	Pupils recognise and use square and cube numbers and their notations.	Pupils solve problems involving squares and cubes and reason about patterns between them.
		Multiply Up to a 4-Digit Number by a 2-Digit Number	7	To multiply multi-digit numbers using formal written methods.	Pupils multiply multi-digit numbers using formal written methods.	Pupils choose efficient strategies, estimate, and justify their method in reasoning tasks.
		Solve Problems with Multiplication	8	To solve contextual and multi-step problems using multiplication.	Pupils solve multi-step problems involving multiplication in context.	Pupils independently break down complex multiplication problems and explain their methods.
		Short Division	9	To divide 4-digit numbers by 1-digit numbers using short division.	Pupils use short division to divide 4-digit numbers by 1-digit numbers.	Pupils explain when short division is most efficient and apply it in problem solving.
		Division Using Factors	10	To divide numbers efficiently using factor knowledge.	Pupils divide using knowledge of factors to simplify problems.	Pupils deconstruct numbers using factor pairs to streamline division calculations.
		Introduction to Long Division	11	To use long division to divide 4-digit numbers by 2-digit numbers.	Pupils use long division to divide 4-digit numbers by 2-digit numbers.	Pupils explain each step of the method clearly and apply it to structured problems.
		Long Division with Remainders	12	To solve division problems with remainders and interpret the result.	Pupils use long division with remainders and interpret the result in context.	Pupils solve reasoning problems involving remainders and justify rounding or representations.
		Solve Problems with Division	13	To solve contextual and multi-step problems using division.	Pupils solve contextual and multi-step problems involving division.	Pupils apply division strategies flexibly and explain how they check accuracy.
		Solve Multi-Step Problems	14	To solve problems involving more than one operation and justify the method used.	Pupils solve problems involving two or more operations using the correct order.	Pupils independently plan and evaluate multi-step strategies, justifying all stages clearly.
		Order of Operations	15	To use and apply the order of operations (BIDMAS) in calculations.	Pupils apply the order of operations (BIDMAS) to solve expressions.	Pupils solve complex expressions and explain the effect of brackets and the order of operations.

	Mental Calculations & Estimation	16	To use mental strategies and estimation to check the accuracy of calculations.	Pupils use mental and estimation strategies to check accuracy and solve calculations.	Pupils choose efficient strategies for estimation and evaluate their effectiveness.
	Reason from Known Facts	17	To derive and use known number facts to solve related calculations and problems.	Pupils use known multiplication and division facts to derive related calculations.	Pupils generalise known facts and apply them flexibly in new contexts or scaled problems.
	Assessment	A			
Fractions A - Block 3	Equivalent Fractions & Simplifying	1	To recognise and simplify equivalent fractions using common factors.	Pupils identify, generate, and simplify equivalent fractions.	Pupils reason about and prove equivalence between fractions using diagrams and numerical methods.
	Equivalent Fractions On A Number Lin	2	To identify and represent equivalent fractions accurately on a number line.	Pupils represent equivalent fractions accurately on a number line.	Pupils explain how different fractions can represent the same point and use this to reason about value.
	Compare & Order (Denominator)	3	To compare and order fractions with the same denominator.	Pupils compare and order fractions with the same denominator.	Pupils explain comparisons using reasoning and justify order with number line or bar models.
	Compare & Order (Numerator)	4	To compare and order fractions with the same numerator.	Pupils compare and order fractions with the same numerator.	Pupils reason about relative size and explain outcomes using concrete or visual models.
	Add & Subtract Simple Fractions	5	To add simple fractions with the same denominator.	Pupils add and subtract fractions with the same denominator.	Pupils solve contextual problems and justify their strategies for efficiency.
	Add & Subtract Simple Fractions	6	To subtract simple fractions with the same denominator.	Pupils add and subtract fractions with the same denominator.	Pupils solve contextual problems and justify their strategies for efficiency.
	Add Mixed Numbers	7	To add mixed numbers by converting to improper fractions or combining parts.	Pupils add mixed numbers by converting to improper fractions or adding parts.	Pupils explain and choose flexible methods depending on the context of the problem.
	Subtract Mixed Numbers	8	To subtract mixed numbers using appropriate strategies.	Pupils subtract mixed numbers using different strategies (e.g. decomposing).	Pupils reason about the most efficient methods and explain regrouping or conversion clearly.
	Multi Step Problems	9	To solve multi-step problems involving fractions, using all four operations.	Pupils solve multi-step problems involving fractions in a range of contexts.	Pupils justify each step in a multi-step process and evaluate whether their method was the most effective.
	Assessment	A			
Fractions B - Block 4	Multiply Fractions By Integers	1	To multiply proper and improper fractions by whole numbers.	Pupils multiply proper fractions and mixed numbers by whole numbers.	Pupils reason about scaling with fractions and explain outcomes using visual models or real-life contexts.
	Multiply Fractions By Fractions	2	To multiply simple fractions together and simplify the result.	Pupils multiply simple pairs of proper fractions.	Pupils explain why multiplication of fractions results in a smaller number and apply this to complex problems.
	Divide A Fraction By An Integer	3	To divide a proper fraction by a whole number using diagrams and formal methods.	Pupils divide proper fractions by whole numbers using diagrams or formal methods.	Pupils explain the reasoning behind division strategies and apply them to varied contexts.
	Divide Any Fraction By An Integer	4	To divide proper or improper fractions by whole numbers and express the result in simplest form.	Pupils divide proper and improper fractions by whole numbers, simplifying when possible.	Pupils generalise and apply patterns when dividing any fraction by an integer and justify efficiency.
	Mixed Question With Fractions	5	To solve multi-step problems involving all four operations with fractions.	Pupils solve multi-step problems involving all four operations with fractions.	Pupils choose appropriate methods flexibly and explain each step in their solution clearly.
	Fraction Of An Amount	6	To calculate fractions of a given quantity and apply this to real-life contexts.	Pupils calculate a unit or non-unit fraction of a quantity.	Pupils solve complex word problems involving fractions of amounts and explain estimation or checking methods.
	Fraction Of An Amount – Find The Wh	7	To use known fractional parts to find the original whole quantity.	Pupils use known fraction parts to find the whole (e.g. ⅓ of a number is 12).	Pupils explain how to reverse the operation and apply it to challenging contexts and reasoning problems.
	Assessment	A			
Converting Units - Block 5	Metric Measures	1	To identify and use appropriate metric units to measure length, mass and capacity.	Pupils identify and use metric units of length, mass and capacity appropriately.	Pupils justify unit choices in real-life contexts and explain conversions between units.
	Convert Metric Measures	2	To convert between different units of metric measure (e.g. mm, cm, m, km, g, kg, ml, l).	Pupils convert between different units of metric measure (e.g. cm to m, g to kg).	Pupils explain the structure of the metric system and solve complex conversion problems.
	Calculate With Metric Measures	3	To solve problems involving addition, subtraction, multiplication and division of metric measures.	Pupils add, subtract, multiply and divide using metric units in practical contexts.	Pupils solve multi-step problems involving mixed units and justify the methods used.
	Miles and KM	4	To understand the relationship between miles and kilometres and convert between them.	Pupils understand the relationship between miles and kilometres and convert between them.	Pupils apply conversions in real-world contexts and reason about estimation when switching between systems.
	Imperial Measures	5	To identify and use approximate equivalences between imperial and metric units in context.	Pupils identify and use approximate equivalences between metric and imperial units.	Pupils reason about the suitability of imperial units in context and convert with accuracy.
	Assessment	A			