

Maths Key Performance Indicators – Year 6

	Strand	Sub-strand	Progression statement
Number	Number and place value	Count	Calculate intervals across zero
		Represent numbs	Use negative numbers in context
		Round numbers	Round whole numbers to 10 000 000 to a required degree of accuracy
	Calculation	Understand calc	Use knowledge of the order of operations
		Calculate mentally	Identify common factors, common multiples and prime numbers greater than 100
			Consolidate multiplying and dividing whole numbers and decimals by 10, 100 & 1000
		Solve calculation problems	Solve multi-step addition and subtraction problems in less familiar contexts, deciding which operations and methods to use and why
			Consolidate solving calculation problems involving scaling by simple fractions and simple rates
		Use written calculation	Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication
			Divide numbers up to 4 digits by a two-digit whole number using the formal methods of short or long division, and interpret remainders as appropriate for the context as whole numbers, fractions or by rounding
		Check	Check answers to calculations with mixed operations and large numbers, choosing the most appropriate method, including estimation, and determining, in the context of a problem, an appropriate degree of accuracy
	Fractions, decimals and Percentages	Convert FDP	Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts
		Use FDP as numbers	Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions
			Multiply simple pairs of proper fractions
			Divide proper fractions by whole numbers
			Use written division methods in cases where the answer has up to two decimal places
			Multiply one-digit numbers with up to two decimal places by whole numbers
		Solve FDP problems	Solve problems which require decimal answers to be rounded to specified degrees of accuracy
	Measurement	Understand units of measure	Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit and visa versa, using decimal notation to up to three decimal places.
	Geometry	Classify shapes	Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals and regular polygons.
Solve shape problems		Find unknown angles and lengths in triangles, quadrilaterals, and regular polygons	
Describe movement		Draw and translate simple shapes on the coordinate plane, and reflect them in the axes	
Statistics	Solve data problems	Solve problems using pie charts and line graphs	
		Calculate and interpret the mean as an average	
Ratio		Solve problems involving unequal sharing and grouping using knowledge of fractions, multiples and percentages	
	Algebra	Use simple formulae	

