Mathematics Programmes of Study



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l can recognise years written in Roman numerals.	I can solve addition multi -step problems in con- texts, deciding which operations and methods to use and why.	I can solve problems including scaling by simple fractions and simple rates.	I can write percentages as a fraction.	I can solve problems involving addition and subtraction of units of measures using	I can distinguish between	S Starking	LEAND ACHEN
			I can recognise the % symbol and understand what it means.	decimal notation.	regular and irregular polygons.		
l can read Roman numerals to 1000 (M).			I can solve problems numbers up to 3 decimal places.		I can state and use the properties of a rectangle to deduce related facts.		I can be flexible in choos- ing effective methods to
l can solve number problems and practical problems.	I can solve subtraction multi-step problems in contexts, deciding which operations and methods to use and why.	whole numbers and thosecompare numbersinvolving decimals by 10, 100decimal places.	I can read, write, order and compare numbers with up to 3 decimal places.	between units of time.	I can draw shapes using given dimensions and angles.	l can present information using ICT.	answer questions.
I can round any number		and 1000. I can divide numbers up to	I can round decimals with 2 decimal places to the nearest	estimate volume and capacity.	l can compare different	I can read and interpret information in tables	I can understand and explain the methods I choose and produce accurate answers.
up to 1,000,000 to the nearest 10, 100, 1000, 10,000 and 100, 000.	I can use rounding to check answers to	4 digits by a 1 digit number using an efficient written method.	whole number and to one decimal place.	I can estimate the area of irregular shapes.	angles. I can identify reflex angles.	including timetables.	
I can use negative numbers in context and can count forwards and backwards with positive and negative numbers through 0. I can count forwards or backwards in steps of powers of 10 for any given Number up to 1,000,000.	calculations. I can subtract mentally using increasingly large numbers. I can add mentally using increasingly large numbers.	I can multiply numbers up to 4 digits by a one or 2	and relate them to 10ths, 100ths and decimal equivalents.	I can calculate and compare the area of squares and	I can identify angles at a point and one whole turn.	I can complete information in tables	l can reason mathe- matically (verbal).
		digit number. I can establish whether a number up to 100 is prime and recall prime numbers up to 19. I know and use the vocabulary of prime numbers, prime factors and composite	I can read and write decimal numbers as fractions. I can multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams. I can add and subtract fractions with the same denominator and related fractions.	rectangles.		I can solve 'difference' problems using information presented line graphs.	
				I can measure and calculate the perimeter of composite			I can justify my answer
				rectilinear shapes in centimetres and metres.	I can identify multiples of 90 degrees.		or give proof using math- ematical language (written).
	I can subtract numbers			I understand and use basic equivalences between metric and common	I can draw a given angle, writing its size in degrees.	I can solve 'sum' problems using	
I know what each digit represents in numbers to 1,000,000.	with more than 4 digits using efficient written methods. I can add numbers with more than 4 digits using efficient written methods.	(non-prime) numbers.	I can recognise mixed numbers and improper fractions and convert from one form to another. I can compare and order fractions whose denominators are all multiples of the same		I know angles are measured in degrees and can estimate and measure them.	information presented in line graphs. I can solve 'comparison' problems using information presented in line graphs.	I can break down prob- lems into simpler steps to seek solutions.
		I can solve problems using multiplication and division.		I can convert between different units of measure			
l can read, write, order and compare numbers to at least 1,000,000.		I can identify multiples and factors, including finding all factor pairs.		(e.g. Kilometre to metre; metre and centimetre; centimetre and millimetre; kilogram and gram; litre and millilitre).	I can identify 3-D shapes, including cubes and cuboids, from 2-D presentations.		
Number, place val- ue and rounding	Addition and Subtraction	Multiplication and Division	Fractions and Deci- mals	Measures	Geometry	Statistics	Problem Solving