

Mathematics Programme of Study – Year 4

Number and Place Value	1. I can count in multiples of 6, 7, 9, 25 and 1,000.		Fractions and Decimals	22. I can recognise and write decimal equivalents of any number of 10ths or 100ths.	
	2. I can find 1000 more or less than a given number.			23. I can recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$..	
	3. I can count backwards through zero to include negative numbers.			24. I can find the effect of dividing a number by 10 and 100 and identify the value of digits in the answer as ones, tens and hundreds.	
	4. I can recognise the place value of each digit in a four digit number.			25. I can round decimals with one decimal place to the nearest whole number.	
	5. I can order and compare numbers beyond 1000.			26. I can compare numbers with the same number of decimal places.	
	6. I can identify, represent and estimate numbers.		Measurement	27. I can solve simple measure and money problems involving fractions and decimals up to two decimal places.	
	7. I can round any number to the nearest 10, 100 or 1000.			28. I can convert between different units of measure (e.g. kilometre to metre; hour to minute).	
	8. I can solve number and practical problems using increasingly large positive numbers.			29. I can measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres.	
	9. I can read Roman numerals to 100 (I to C) and understand how the numeral system changed including the concept of 'zero' and place value.			30. I can find the area of rectilinear shapes by counting in squares.	
Addition and Subtraction	10a. I can add numbers with up to 4 digits using columnar addition.			31. I can estimate, compare and calculate different measures, including money in pounds and pence.	
	10b. I can subtract numbers with up to 4 digits using columnar subtraction.			32. I can read, write and convert time between analogue and digital 12 and 24 hour clocks.	
	11a. I can estimate to check answers to calculations.			33. I can solve problems involving converting from hours to minutes; minutes to seconds; years to months and weeks to days.	
	11b. I can use inverses to check answers to calculations.		Geometry	34. I can compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.	
	12a. I can solve two-step addition problems in contexts, deciding which operations and methods to use and why.			35a. I can identify acute and obtuse angles.	
	12b. I can solve two-step subtraction problems in contexts, deciding which operations and methods to use and why.			35b. I can compare and order angles up to two right angles by size.	
	I can solve mental calculations with increasingly large numbers.			36. I can identify lines of symmetry in 2d shapes presented in different orientations.	
Multiplication and Division	13. I can recall x and + facts for multiplication tables up to 12 x12.			37. I can complete a symmetric figure with respect to a specific line of symmetry.	
	14a. I can use place value, known and derived facts to multiply up to three numbers mentally.			38. I can describe a position on a 2-d grid as co-ordinates in the first quadrant.	
	14b. I can use place value, known and derived facts to divide up to three numbers mentally.			39. I can translate shapes.	
	15. I can recognise and use factor pairs in mental calculations.			40. I can plot specified points and draw sides to complete a given polygon.	
	16a. I can multiply two digit numbers by a one digit number using the formal written method.		Statistics	I can interpret and present data using bar charts.	
	16b. I can multiply three digit numbers by a one digit number.			I can interpret and present data using line graphs.	
	17a. I can solve problems using multiplication and division.			I can solve 'comparison' problems using information presented in bar charts, pictograms, tables and simple line graphs.	
	17b. I can use partitioning to multiply two digit numbers by one digit.			I can solve 'sum' problems using information presented in bar charts, pictograms, tables and simple line graphs.	
	17c. I can scale numbers and use correspondence to solve problems in which n objects are connected to m objects.			I can solve 'difference' problems using information presented in bar charts, pictograms, tables and simple line graphs.	
	I can divide two digit numbers by a one digit number using a written method including remainders			I can use a range of scales when interpreting and presenting data.	
	18. I can recognise and show, using diagrams, families of common equivalent fractions.				
	19. I can count up and down in 100ths and recognise that 100ths arise when dividing an object by 100 and dividing 10ths by 10.				
	20. I can find fractions of quantities including non-unit fractions.				
	21. I can + and - fractions with the same denominator.				

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