St Luke's Catholic Primary School

Year 4 Maths Objectives

Topic	Objective
Number and Place Value	1. I can count in multiples of 6, 7, 9, 25 and 1,000
	2. I can find 1,000 more or less than a given number
	3. I can count backwards through 0 to include negative numbers
	4. I can recognise the place value of each digit in a four-digit number (1,000s, 100s, 10s, and 1s)
	5. I can order and compare numbers beyond 1,000
	6. I can identify, represent and estimate numbers using different representations
	7. I can round any number to the nearest 10, 100 or 1,000
	8. I can solve number and practical problems that involve all of the above and with increasingly large positive numbers
	9. I can read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of 0 and place value
Addition and Subtraction	10. I can add and subtract numbers with up to 4 digits using formal written methods where appropriate
	11. I can estimate and use inverse operations to check my answers to a calculation
	12. I can solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why
Multiplication and Division	13. I can recall multiplication and division facts for multiplication tables up to 12 x 12
	14. I can use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together 3 numbers
	15. I can recognise and use factor pairs and commutativity in mental calculations
	16. I can multiply two-digit and three-digit numbers by a one-digit number using formal written method
	17. I can solve problems involving multiplying and adding, including using the distributive law to multiply two-digit numbers by 1 digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects
Fractions	18. I can recognise and show, using diagrams, families of common equivalent fractions
	19. I can count up and down in hundredths; recognise that hundredths arise when dividing an object by 100 and dividing tenths by 10
	20. I can solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number
	21. I can add and subtract fractions with the same denominator
	22. I can recognise and write decimal equivalents of any number of tenths or hundreds
	23. I can recognise and write decimal equivalents to 1/4 , 1/2 , 3/4
	24. I can find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths
	25. I can round decimals with 1 decimal place to the nearest whole number
	26. I can compare numbers with the same number of decimal places up to 2 decimal places
	27. I can solve simple measure and money problems involving fractions and decimals to 2 decimal places
Measurement	28. I can convert between different units of measure [for example, kilometre to metre; hour to minute]

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	29. I can measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres
	30. I can find the area of rectilinear shapes by counting squares
	31. I can estimate, compare and calculate different measures, including money in pounds and pence
	32. I can read, write and convert time between analogue and digital 12- and 24-hour clocks
	33. I can solve problems involving converting from hours to minutes, minutes to seconds, years to months, weeks to days
Shape	34. I can compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes
	35. I can identify acute and obtuse angles and compare and order angles up to 2 right angles by size
	36. I can identify lines of symmetry in 2-D shapes presented in different orientations
	37. I can complete a simple symmetric figure with respect to a specific line of symmetry
Position and Direction	38. I can describe positions on a 2-D grid as coordinates in the first quadrant
	39. I can describe movements between positions as translations of a given unit to the left/right and up/down
	40. I can plot specified points and draw sides to complete a given polygon
Statistics	41. I can interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs
	42. I can solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs