



Year 4 Maths Medium Term Planning

Autumn 1		Autumn 2		
Number and Place Value (3 weeks)	Addition and Subtraction (4 weeks)	Multiplication and Division (5 weeks)	Statistics (1 week)	Consolidation (1 week)
<ul style="list-style-type: none">count in multiples of 6, 7, 9, 25 and 1000find 1000 more or less than a given numbercount backwards through zero to include negative numbersrecognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)order and compare numbers beyond 1000identify, represent and estimate numbers using different representationsround any number to the nearest 10, 100 or 1000solve number and practical problems that involve all of the above and with increasingly large positive numbersread Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value.	<ul style="list-style-type: none">add and subtract numbers with up to 4 digits using the formal written methods ofcolumnar addition and subtraction where appropriateestimate and use inverse operations to check answers to a calculationsolve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why	<ul style="list-style-type: none">recall multiplication and division facts for multiplication tables up to 12×12use place value, known and derived facts to multiply and divide mentally, including multiplying by 0 and 1; dividing by 1; multiplying together three numbersrecognise and use factor pairs and commutativity in mental calculationsmultiply two-digit and three-digit numbers by a one-digit number using formal written layoutsolve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.	<ul style="list-style-type: none">interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.	



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Vocabulary: Thousands, hundreds, tens, ones, zero, place value, greater than, less than, order, round, rounded to, negative number, partition, digit, roman numeral	Vocabulary: Add, Total, Plus, Sum, More, Altogether, Difference, Subtract, Less, Minus, Take away, Mentally, Orally, Column Addition, Column Subtraction, Exchange, Estimate, Inverse operation, Solve problems, number facts	Vocabulary: Multiply, groups of, lots of, times, divide, share, remainder, factor, multiple, product	Vocabulary: bar chart, pictogram, frequency table, tally chart, discrete data, continuous data, time graph, sum, difference, comparison, interpret	
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Spring 1

Fractions (4 weeks)	Decimals (3 weeks)	Money (2 weeks)	Time (2 weeks)	Mass, Volume and Length (2 weeks)
<ul style="list-style-type: none">recognise and show, using diagrams, families of common equivalent fractionscount up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.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	<ul style="list-style-type: none">recognise and write decimal equivalents of any number of tenths or hundredthsrecognise and write decimal equivalents to $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the	<ul style="list-style-type: none">compare numbers with the same number of decimal places up to two decimal placessolve simple measure and money problems involving fractions and decimals to two decimal places.	<ul style="list-style-type: none">read, write and convert time between analogue and digital 12- and 24-hour clockssolve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.	<ul style="list-style-type: none">Convert between different units of measure [for example, kilometre to metre; hour to minute]estimate and measure mass, volume and lengthconvert units of measure from larger to smaller



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<ul style="list-style-type: none"> add and subtract fractions with the same denominator 	<ul style="list-style-type: none"> answer as ones, tenths and hundredths round decimals with one decimal place to the nearest whole number compare numbers with the same number of decimal places up to two decimal places 	<ul style="list-style-type: none"> estimate, compare and calculate different measures, including money in pounds and pence 		
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Vocabulary: Numerator, denominator, unit fraction, non-unit fraction, equivalent, quantities, whole, halves, thirds, quarters, fifths, sixths, sevenths, eightths, ninths, tenths, eleenths, twelfths	Vocabulary: Tenths, hundredths, decimal, decimal point, decimal tenths, decimal hundredths, decimal equivalents, part whole model, rounding, decimal point, place value,	Vocabulary: Amount, change, combinations, estimate, decimal, penny, pound, pence, round, value, convert	Vocabulary: 12-hour time, 24-hour time, Roman numerals, analogue, digital, hours, minutes, seconds, o'clock, half past, quarter past, quarter to, midday, midnight, noon, a.m., p.m.	Vocabulary: Volume, measure, litres, millilitres, capacity, full, empty, weight, grams, kilograms, heavy, light, measurement, decimal, container, metres, tall, centimetres, metres, squares, distance, millimetres, kilometres, length
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Summer 1		Summer 2		
Perimeter (1 week)	Area (2 weeks)	Geometry- Properties of Shape (3 weeks)	Geometry- Position and Direction (2 weeks)	Consolidation
<ul style="list-style-type: none"> measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres 	<ul style="list-style-type: none"> find the area of rectilinear shapes by counting squares 	<ul style="list-style-type: none"> compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes identify acute and obtuse angles and compare and order angles up to two right angles by size identify lines of symmetry in 2-D 	<ul style="list-style-type: none"> describe positions on a 2-D grid as coordinates in the first quadrant describe movements between positions as translations of a given unit to the left/right and up/down 	



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		<p>shapes presented in different orientations</p> <p>complete a simple symmetric figure with respect to a specific line of symmetry.</p>	<ul style="list-style-type: none">plot specified points and draw sides to complete a given polygon.	
Vocabulary: Centimetres, metres, squares, distance, millimetres, kilometres, length, width, rectilinear, right angle	Vocabulary: Area, perimeter, centimetres, metres, squares, distance, millimetres, kilometres, length, ruler, width, rectilinear, right angle	Vocabulary: Angle, right angle, acute, obtuse, horizontal, vertical, diagonal, parallel, perpendicular, two-dimensional, three-dimensional, polygon, line of symmetry, reflection, mirror line, isosceles, equilateral, scalene, quadrilateral, rhombus, parallelogram, trapezium	Vocabulary: Coordinate, quadrant, x axis, y axis, translation, vertex, vertices	



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