



Mathematics Overview- Year 4

	Number and Place Value, approximation and estimation/rounding	Addition, Subtraction, Multiplication & Division (Calculation)	Fractions, Decimals and Percentages	Measurement	Geometry – Properties of Shape & Position and Direction	Statistics
1	<ul style="list-style-type: none"> Count in multiples of 6 Count in multiples of 7 Count in multiples of 9 	<ul style="list-style-type: none"> Add and subtract numbers with up to four digits using the formal written methods of columnar addition and subtraction where appropriate Estimate and use inverse operations to check answers to a calculation 	<ul style="list-style-type: none"> Count up and down in hundredths Recognise that hundredths arise when dividing an object by a hundred and dividing tenths by 10 	<ul style="list-style-type: none"> Compare different measures, including money in pounds and pence 	<ul style="list-style-type: none"> Compare and classify geometric shapes, including quadrilaterals and triangles based on their properties and sizes 	<ul style="list-style-type: none"> Interpret discrete data using appropriate graphical methods, including bar charts and time graphs
2	<ul style="list-style-type: none"> Count in multiples of 25 and 1000 Order and compare numbers beyond 1000 Find 1000 more or less than a given number 	<ul style="list-style-type: none"> Solve addition and subtraction two-step problems in contexts, deciding which operation and methods to use and why 	<ul style="list-style-type: none"> Recognise and show, using diagrams, families of common equivalent fractions. (halves, thirds, quarters, fifths, eighths, tenths) Add and subtract fractions with the same denominator 	<ul style="list-style-type: none"> Estimate different measures, including money in pounds and pence 	<ul style="list-style-type: none"> Identify lines of symmetry in 2D shapes presented in different orientations Complete a simple symmetric figure with respect to a specific line of symmetry 	<ul style="list-style-type: none"> Present discrete data using appropriate graphical methods, including bar charts and time graphs
3	<ul style="list-style-type: none"> Recognise the place value of each digit in a 4-digit number 	<ul style="list-style-type: none"> Recall multiplication and division facts for 6 times table Recall multiplication and division facts for 7 times table Recall multiplication and division facts for 9 times table Recall multiplication and division facts for 11 times table Recall multiplication and division facts for 12 times table 	<ul style="list-style-type: none"> Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$ and $\frac{3}{4}$ Recognise and write decimal equivalents of any number of tenths or hundredths 	<ul style="list-style-type: none"> Read, write and convert time between analogue and digital 24-hour clocks Solve problems involving converting from: <ul style="list-style-type: none"> hours to minutes; minutes to seconds; years to months; weeks to days 	<ul style="list-style-type: none"> Identify acute and obtuse angles and compare and order angles up to two right angles by size 	<ul style="list-style-type: none"> Interpret continuous data using appropriate graphical methods, including bar charts and time graphs
4	<ul style="list-style-type: none"> Read Roman numerals to 100 (I to C) and know that over time, the numeral system has changed to include the concept of zero and place value 	<ul style="list-style-type: none"> Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers Recognise and use factor pairs and commutativity in mental calculation 	<ul style="list-style-type: none"> 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"> Convert between different units of measurement (e.g. km to m; hour to minute) 	<ul style="list-style-type: none"> Describe movements between positions as translations of a given unit to the left/right and up/down 	<ul style="list-style-type: none"> Present continuous data using appropriate graphical methods, including bar charts and time graphs
5	<ul style="list-style-type: none"> Round any number to the nearest 10, 100 or 1000 Count backwards through zero to include negative numbers 	<ul style="list-style-type: none"> Multiply two-digit and three-digit numbers by a one-digit number using formal written layout 	<ul style="list-style-type: none"> 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"> Measure and calculate the perimeter of a rectilinear figure/shape (including squares) in cm and m Find the area of rectilinear shapes by counting squares 	<ul style="list-style-type: none"> Describe positions on a 2D grid as coordinates in the first quadrant 	<ul style="list-style-type: none"> Solve comparison, sum and difference problems using information presented in pictograms and tables
6	<ul style="list-style-type: none"> Solve number problems and practical problems involving both of the above 	<ul style="list-style-type: none"> Solve problems involving multiplying and adding, including using the distributive law to multiply two-digit 	<ul style="list-style-type: none"> Find the effect of multiplying a one- or two-digit number by 10 and 100, identifying the value of the digits as thousands, hundreds, 	<ul style="list-style-type: none"> Calculate different measures, including money in pounds and pence 	<ul style="list-style-type: none"> Plot specified points and draw sides to complete a given polygon 	<ul style="list-style-type: none"> Solve comparison, sum and difference problems using information presented in bar charts and other graphs

		numbers by one digit, integer scaling problems <ul style="list-style-type: none">• Solve correspondence problems such as n objects are connected to m objects	tens and ones <ul style="list-style-type: none">• 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• Solve simple measure and money problems involving fractions and decimals to two decimal places (e.g. $\frac{1}{2}$ of £2.36)			
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