

# Year 4 Progression in Maths

Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7	Unit 8	Unit 9	Unit 10	Unit 11	Unit 12	Unit 13	Unit 14	Unit 15
<p>I will know how to convert a given representation to a number (verbal or numerals)</p> <p>I will know how to convert a given number to a stated concrete or visual representation</p> <p>I will know how to partition a number into thousands, hundreds, tens and ones and state the value of a given digit within a number</p>	<p>I will know how to count from in steps of 6, 7 and 9</p> <p>I will know how to count in steps of 25 and 1000</p> <p>I will know how find 1000 more than a number</p> <p>I will know how to find 1000 less than a number</p> <p>I will know how to count backwards through 0 to negative numbers and read and write a negative number</p> <p>I will know how to find factors and pairs of</p>	<p>I will know how to add a four-digit number and ones/tens/hundreds mentally (up to 10 000)</p> <p>I will know how to subtract ones/tens/hundreds/thousands from a four-digit number mentally</p> <p>I will know how to add a four-digit number and a three-digit number using a written method</p> <p>I will know how to add a four-digit number and a four-digit number using a written method</p>	<p>I will know how to use place value to find a related multiplication fact mentally</p> <p>I will know how to use place value to find a related division fact mentally</p> <p>I will know how to multiply three numbers together mentally</p> <p>I will know how to multiply a 2-digit number by a single digit using an informal method</p> <p>I will know how to</p>	<p>I will know how to identify lines of symmetry in 2D shapes in any orientation</p> <p>I will know how to categorise angles as acute, right or obtuse</p> <p>I will know how to compare and order angles up to 2 right angles (180°)</p> <p>I will know how to notate on and read diagrams correctly</p> <p>I will know how to describe the properties of 3D shapes</p> <p>I will know how to</p>	<p>I will know how to find the perimeter of a shape by measuring</p> <p>I will know how find the perimeter of a shape by calculating</p> <p>I will know how to find a shape with a specified perimeter</p> <p>I will know how to find the area of a rectilinear shape by counting squares</p> <p>I will know how to solve addition and subtraction money problems</p> <p>I will know how to solve money</p>	<p>I will know how to recognise and represent fractions</p> <p>I will know how to produce equivalent fractions</p> <p>I will know how to recognise equivalent fractions</p> <p>I will know how to represent and read decimals up to 1 decimal place</p> <p>I will know how to solve problems involving</p>	<p>I will know how to add proper fractions with the same denominator</p> <p>I will know how to solve problems involving adding and subtracting fractions</p> <p>I will know how to calculate a fraction of an amount</p> <p>I will know how to, when given the value of a fraction of the amount, calculate the original amount</p> <p>I will know how to solve problems involving</p>	<p>I will know how to multiply a 2-digit or 3-digit number by a single digit</p> <p>I will know how to divide a 2-digit or 3-digit number by a 1-digit number mentally (with jottings)</p> <p>I will know how to use the distributive law</p> <p>I will know how to divide 2-digit number by a 1-digit number using a written method</p> <p>I will know how to divide</p>	<p>I will know how to identify and interpret discrete and continuous data.</p> <p>I will know how to construct a bar chart or frequency diagram</p> <p>I will know how to interpret a bar chart or frequency diagram</p> <p>I will know how to construct a time graph</p> <p>I will know how to interpret a time graph</p> <p>I will know how to solve problems by reading</p>	<p>I will know how to identify a line of symmetry in a shape or design (horizontal, vertical or diagonal at 45°)</p> <p>I will know how to use a line of symmetry to produce a symmetrical pattern (own design)</p> <p>I will know how to use a line of symmetry to complete a symmetrical image (outline on one side of the line given)</p> <p>I will know how to use a line of symmetry to</p>	<p>I will know how to convert simple units of time</p> <p>I will know how to read and show times in 12-hour format</p> <p>I will know how to read and write times in 24-hour format</p> <p>I will know how to convert between seconds and minutes as well as minutes and hours</p> <p>I will know how to convert between hours and days</p> <p>I will know how to convert</p>	<p>I will know how to instantly recall and use multiplication and division facts for the multiplication tables up to 12x12</p> <p>I will know how to Calculate simple mental multiplication s and divisions of 2-digit numbers by single digits</p> <p>I will know how to mentally calculate the result of multiplication by 0 or 1, division by 1 as well as the product of three numbers</p>	<p>I will know how to use coordinates to describe positions and to plot points in the first quadrant</p> <p>I will know how to carry out translations as movements up/down and left/right</p> <p>I will know how to describe movements between positions as translations of a number of squares up/down and left/right</p> <p>I will know how to use coordinates to plot a set of points to</p>	<p>I will know how to convert units of length</p> <p>I will know how to convert units of mass</p> <p>I will know how to convert units of capacity</p> <p>I will know how to solve problems involving these measures</p> <p>I will know how to convert units of time</p> <p>I will know how solve problems involving time</p>

<p>I will know how to convert a number written in words to numerals and vice versa</p> <p>I will know how to recognise matching numerals, words</p> <p>I will know how to round a whole number to the nearest 10</p> <p>I will know how to round a whole number to the nearest 100 or 1000 or 3 digits, nearest 100</p> <p>I will know how to compare two numbers to say which is greater, using &gt; or &lt; to notate</p>	<p>factors of a number</p> <p>I will know how to use factor pairs and commutativity in mental calculations</p> <p>I will know how to find times table multiplication facts (up to 12s) o By representing the calculation concretely to deduce the answer</p> <p>I will know how to find and begin to recall times table division facts (to 12s) o Unknown answer</p> <p>I will know how to find the other related facts when given one times table multiplication or division fact:</p>	<p>I will know how to subtract a three-digit number from a four-digit number using a written method</p> <p>I will know how to subtract a four-digit number from a four-digit number using a written method</p> <p>I will know how to interpret a word problem correctly as an addition or subtraction calculation and solve</p> <p>I will know how to solve missing number problems involving addition or subtraction</p> <p>I will know how to estimate the answer to an</p>	<p>multiply a 3-digit number by a single digit using an informal method</p> <p>I will know how to multiply a 2-digit number by a single digit using a formal method</p> <p>I will know how to multiply a 3-digit number by a single digit using a formal method</p> <p>I will know how to recognise and solve a simple multiplication word problem</p>	<p>compare, sort and classify 3D shapes</p> <p>I will know how to describe the properties of 2D shapes</p> <p>I will know how to compare, sort and classify 2D shapes</p>	<p>problems involving multiplication</p> <p>I will know how to solve money problems involving division</p>	<p>I will know how to recall and use equivalences between fractions and decimals</p> <p>I will know how to compare and order decimals</p> <p>I will know how to round a decimal with 1 decimal place to the nearest whole number</p>	<p>fractions of amounts</p> <p>I will know how to solve problems involving combinations of fractions and decimals to 2dp</p>	<p>a 3-digit number by a 1-digit number using a written method</p> <p>I will know how to recognise and solve a simple division problem</p> <p>I will know how to divide a 1-digit or 2-digit number by 10</p> <p>I will know how to divide a 1-digit or 2-digit number by 100</p> <p>I will know how to solve missing number problems involving multiplication and division</p> <p>I will know how to solve correspondence</p>	<p>relevant information from a graph</p>	<p>complete a symmetrical pattern</p>	<p>between days and weeks and months and years</p> <p>I will know how to find the difference between times given in a range of (different) units</p>	<p>I will know how to Divide a 1-digit or 2-digit number by 10 or 100</p> <p>I will know how to Multiply a 2-digit or 3-digit number by a single digit using a formal method</p> <p>I will know how to Divide a 2-digit or 3-digit number by a single digit using a written method</p> <p>I will know how to Recognise and solve single operation problems (including correspondence and scaling problems)</p> <p>I will know how to</p>	<p>form a polygon</p> <p>I will know how to carry out translations as movements up/down and left/right</p> <p>I will know how to solve problems involving coordinates</p>
---	---	---	--	---	--	--	--	--	--	---------------------------------------	--	--	---

<p>I will know how to order numbers from smallest to largest</p> <p>I will know how to convert between simple Roman Numerals and Arabic Numerals</p> <p>I will know how to convert between any Roman Numerals and Arabic Numerals up to 100</p>		<p>addition or subtraction calculation</p> <p>I will know how to find the inverse calculation to an addition or subtraction and use it to check an answer</p>						<p>nce and scaling problems</p> <p>I will know how to recognise and solve word problems (out of context) involving division using number sentences</p> <p>I will know how to solve measure and money problems involving x and /</p> <p>I will know how to solve measure and money problems involving fractions and decimals</p>				<p>Recognise and solve multi-step problems</p>		
---	--	---	--	--	--	--	--	---	--	--	--	--	--	--