



Glascote Academy Curriculum: Mathematics Vocabulary



Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
6	<p>Place Value Millions, ten millions</p> <p>Four operations Multi digit numbers, long division</p> <p>Fractions A Recap all fractions vocabulary</p>	<p>Fractions B Recap all fractions vocabulary</p> <p>Converting Units Conversion, miles, feet</p> <p>Ratio Relative size, missing values, integer multiplication, percentages, scale factor, unequal sharing & grouping</p> <p>Algebra Formulae, linear number sequences, algebraically, equation, unknowns, combinations, variables</p>	<p>Algebra Formulae, linear number sequences, algebraically, equation, unknowns, combinations, variables</p> <p>Decimals Fractions, decimals and percentages</p> <p>Area, perimeter and Volume Conversion, miles, formulae, parallelograms, triangles feet</p>	<p>Statistics Pie chart, mean</p>	<p>Shape Recap all shape vocabulary</p> <p>Position & direction Four quadrants, co-ordinate plane</p>	
5	<p>Place Value Ten thousands, one hundred thousands, powers of, integers</p> <p>Addition & subtraction</p> <p>Multiplication & division A Multiples, factors, prime numbers, square numbers, cube numbers, short division, product, dividend, divisor, quotient, operations</p>	<p>Fractions A Fifth, thousandths, mixed numbers, per cent, factors, integer, complements</p> <p>Multiplication & division B Multiples, factors, prime numbers, square numbers, cube numbers, short division, product, dividend, divisor, quotient, operations</p>	<p>Multiplication & division B Multiples, factors, prime numbers, square numbers, cube numbers, short division, product, dividend, divisor, quotient, operations</p> <p>Fractions B Fifth, thousandths, mixed numbers, per cent, factors, integer, complements</p> <p>Decimals and percentages Per cent, factors, integer, complements</p>	<p>Perimeter and Area Decimal notation, scaling, metric units, imperial units, inches, compound shape, irregular shape, square centimetres, square metres</p> <p>Statistics Timetable, two-way tables</p> <p>Shape Regular polygon, irregular polygon, reflex angles, degrees, one whole turn, angles on a straight line, angles around a point,</p>	<p>Position & direction Reflection</p> <p>Decimals Factors, integer, complements</p>	<p>Decimals Factors, integer, complements</p> <p>Negative numbers</p> <p>Converting Units Decimal notation, scaling, metric units, imperial units, inches, compound shape, irregular shape, square centimetres, square metres</p> <p>Measurement: Volume Cubic centimetre, pounds, pints</p>

				vertically opposite, missing angles		
4	<p>Place Value Roman numbers, 1000 more, 1000 less, thousands, round</p> <p>Addition & subtraction 4-digit number, operations, methods</p>	<p>Measurement: Area Kilometres (km), rectilinear figure, area</p> <p>Multiplication & division A & B Factor pairs, formal written layout, distributive law, remainders</p>	<p>Multiplication & division B Factor pairs, formal written layout, distributive law, remainders</p> <p>Length & Perimeter Kilometres (km), rectilinear figure</p> <p>Fractions Decimal equivalence, hundredths, convert, proper fractions, improper fractions, decimal point</p>	<p>Fractions Decimal equivalence, hundredths, convert, proper fractions, improper fractions, decimal point</p> <p>Decimals A & Decimals B Decimal equivalence, hundredths, convert, decimal port</p>	<p>Decimals B Decimal equivalence, hundredths, convert, decimal point</p> <p>Money Value, change</p> <p>Time Convert</p>	<p>Shape Isosceles, equilateral, scalene, trapezium, rhombus, parallelogram, kite, geometric shapes, quadrilaterals</p> <p>Statistics Time graph, discrete data, line graph, comparison problem, sum problem, difference problem, calculate, interpret</p> <p>Position & direction Co-ordinates, first-quadrant, grid, translation, plot, polygon, axis</p>
3	<p>Place Value Ascending, descending, 10 or 100 more, 10 or 100 less, hundreds</p> <p>Addition & subtraction Column addition, column subtraction, subtrahend, minuend</p>	<p>Multiplication & division A/B Exchange, mathematical statements, missing number problems, integer scaling problems, correspondence problem, derived facts</p>	<p>Length & Perimeter Millimetre, perimeter</p> <p>Fractions Tenths</p>	<p>Mass, Capacity and Temperature Degrees Litres Millilitres</p> <p>Fractions Tenths</p> <p>Money Value, change</p>	<p>Time Analogue clock, Roman numerals, 12-hour clock, 24-hour clock, a.m./p.m., noon, midnight, leap year, digital</p> <p>Shape Right angle, heptagon, octagon, polygon, properties, prism, orientations, angles, acute angles, obtuse angles, turn, right angles, half turn, three quarters turn, greater than a right angle, less than a right angle, horizontal line, vertical line, perpendicular lines, parallel lines</p> <p>Statistics Table, bar chart, one-step problem, two-step problem</p>	

					perpendicular lines, parallel lines	
2	<p><u>Place Value</u> Count in steps, count in multiples, place value, estimate, compare</p> <p><u>Addition & subtraction</u> Sum, 3-digit number, commutative, exchange, regroup, estimate</p>	<p><u>Addition & subtraction</u> Sum, 3-digit number, commutative, exchange, regroup, estimate</p> <p><u>Shape</u> Pentagon, hexagon, line of symmetry, properties, cylinder, edges, vertices, vertex</p> <p><u>Money</u> Value, change</p>	<p><u>Money</u> Value, change</p> <p><u>Multiplication & division</u> Multiplication tables, commutative, repeated addition</p> <p><u>Length and Height</u> Standard units, estimate, order, record results, centimetre, metre</p>	<p><u>Mass, Capacity and Temperature</u> Kilogram, gram, quarter full, three quarters full, litres, millilitres, temperature, Celsius</p> <p><u>Fractions</u> Three quarters, third, equivalent fractions, unit fractions, non-unit fractions, numerator, denominator one whole</p>	<p><u>Time</u> Intervals of time, quarter past/to, duration</p> <p><u>Statistics</u> Pictogram, tally chart, block diagram, category, sorting, totalling, comparing, horizontal, vertical</p>	<p><u>Position & direction</u> Clockwise, anti-clockwise, straight line, rotation, arrange, sequences</p>
1	<p><u>Place Value</u> Sort, represent, multiples, partitioning, ones, tens</p> <p><u>Addition & subtraction</u> Addition, add, subtraction, difference, equals, facts, problems, missing number problems, 2-digit number, inverse</p>	<p><u>Addition & subtraction</u> Addition, add, subtraction, difference, equals, facts, problems, missing number problems, 2-digit number, inverse</p> <p><u>Shape</u> Sides, corners, properties, pyramids, faces</p> <p><u>Place Value</u> Sort, represent, multiples, partitioning, ones, tens</p>	<p><u>Addition & subtraction</u> Addition, add, subtraction, difference, equals, facts, problems, missing number problems, 2-digit number, inverse</p> <p><u>Place Value</u> Sort, represent, multiples, partitioning, ones, tens</p>	<p><u>Place value</u> Sort, represent, multiples, partitioning, ones, tens</p> <p><u>Length and Height</u> Compare</p> <p><u>Mass and volume</u> Mass, volume</p>	<p><u>Multiplication & division</u> Multiplication, division, arrays</p> <p><u>Fractions</u> Whole, half, quarter, equal parts, unequal parts</p>	<p><u>Position & direction</u> Position, direction, movement, whole turn, quarter turn, half turn, three-quarter turn</p> <p><u>Place Value</u> Sort, represent, multiples, partitioning, ones, tens</p> <p><u>Money</u> Money, coins, notes, pounds, pence</p> <p><u>Time</u> Chronological order, days of the week, months of the year, month, year, o'clock, half past, second</p>
R	<p>Match, sort and compare</p> <p>Talk about measure and patterns</p> <p><u>Position & direction</u> Compare, forwards, backwards, over, under,</p>	<p><u>It's me 1, 2, 3</u> Count, subitise, order/ordinal, compare, forwards, backwards, numerals, digit, one more, one less, equal to, more than, less than</p>	<p><u>Alive in 5</u> Count, subitise, order/ordinal, compare, forwards, backwards, numerals, digit, one more, one less, equal to, more than, less than</p>	<p><u>Length, height and time</u> Measure, wide, narrow, compare, long/longer/longest, short/shorter/shortest, length, height, time, quicker, slower, earlier, later, before, after, first,</p>	<p><u>To 20 and beyond</u> Count, subitise, order/ordinal, compare, forwards, backwards, numerals, digit, one more, one less, equal to, more than, less than</p>	<p><u>Sharing and grouping</u> Visualise, build and map</p> <p><u>Making connections</u> Double, half, twice as many, equal, unequal, share, group, odd, even</p>

	<p>between, around, through, on, into, next to, behind, beneath, order, repeat, patterns, on top of</p>	<p><u>Circles and Triangles</u> 2D shapes, circle, triangle, characteristic, flat, straight, curved</p> <p><u>1,2,3,4,5</u> Count, subitise, order/ordinal, compare, forwards, backwards, numerals, digit, one more, one less, equal to, more than, less than</p> <p><u>Shapes with 4 sides</u> 2D shapes, characteristic, flat, straight, curved, rectangle, square,</p>	<p><u>Mass and Capacity</u> Weight, capacity, heavy/light, heavier than, lighter than, big/bigger/biggest, full/empty/more than, less than, full, half full</p> <p><u>Growing 6,7,8</u> Count, subitise, order/ordinal, compare, forwards, backwards, numerals, digit, one more, one less, equal to, more than, less than</p> <p><u>Length, height and time</u> Measure, wide, narrow, compare, long/longer/longest, short/shorter/shortest, length, height, time, quicker, slower, earlier, later, before, after, first, next, today, yesterday, tomorrow, morning, afternoon, evening, day, week, hour, minutes</p>	<p>next, today, yesterday, tomorrow, morning, afternoon, evening, day, week, hour, minutes</p> <p><u>Building 9 and 10</u> Count, subitise, order/ordinal, compare, forwards, backwards, numerals, digit, one more, one less, equal to, more than, less than</p> <p><u>Explore 3D shapes</u> 3D shapes, cuboids, cubes, sphere, cone, curved, straight, flat</p> <p><u>To 20 and beyond</u> Count, subitise, order/ordinal, compare, forwards, backwards, numerals, digit, one more, one less, equal to, more than, less than</p>	<p><u>How many now?</u> Count, subitise, order/ordinal, compare, forwards, backwards, numerals, digit, one more, one less, equal to, more than, less than</p> <p><u>Manipulate, compose and decompose</u> Add, plus, altogether, total, take away, number bonds, part, whole, digit</p>	
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