



Autumn

Place Value	Four Operations		Decimals
<p>units, ones, tens, hundreds, thousands ten thousand, hundred thousand, million, ten million digit, one-, two-, three- or four-digit number, numeral, 'teens' number place, place value, place holder, stands for, represents, exchange the same number as, as many as equal to >, greater than, more than, larger than, bigger than <, less than, fewer than, smaller than, greater than or equal to, less than or equal to greatest, most, largest, biggest least, fewest, smallest sequence one... ten... one hundred... one thousand more/less compare, order, size ascending/descending order first... tenth... twentieth last, last but one, before, after, next between, half-way between guess how many, estimate nearly, roughly, close to, about the same as approximate, approximately, is approximately equal to, just over, just under, exact, exactly, too many, too few, enough, not enough round (up or down), nearest round to the nearest ten/hundred/thousand integer, positive, negative above/below zero, minus</p>	<p>Operation, mixed operation, order of operations composite BODMAS, BIDMAS Long multiplication, long division</p>		<p>part, equal parts fraction, proper/improper fraction mixed number numerator, denominator equivalent, reduced to, cancel one whole half, quarter, eighth third, sixth, ninth, twelfth fifth, tenth, twentieth hundredth, thousandth proportion, ratio in every, for every to every, as many as decimal, decimal fraction decimal point, decimal place</p>
	<p>Addition and Subtraction</p>	<p>Multiplication and Division</p>	
	<p>add, addition, more, plus, increase sum, total, altogether score double, near double how many more to make...? subtract, subtraction, take (away), minus, decrease leave, how many are left/left over? difference between half, halve how many more/fewer is... than...? how much more/less is...? equals, sign, is the same as tens boundary, hundreds boundary units boundary, tenths boundary inverse</p>	<p>lots of, groups of times, multiply, multiplication, multiplied by multiple of, product once, twice, three times... ten times... times as (big, long, wide... and so on) repeated addition array, row, column double, halve share, share equally equal groups of divide, division, divided by, divided into remainder factor, quotient, divisible by inverse decimal remainder recurring, common factor, highest/lowest common factor prime number, square number prime factor</p>	



Fractions, Decimals and Percentages	Converting Units	Position and Direction	Statistics
<p>part, equal parts fraction, proper/improper fraction mixed number numerator, denominator equivalent, reduced to, cancel one whole half, quarter, eighth third, sixth, ninth, twelfth fifth, tenth, twentieth, hundredth proportion, ratio in every, for every to every, as many as decimal, decimal fraction decimal point, decimal place percentage, per cent, %</p>	<p>length, width, height, depth, breadth long, short, tall, high, low wide, narrow, deep, shallow, thick, thin longer, shorter, taller, higher... and so on longest, shortest, tallest, highest... and so on far, further, furthest, near, close distance apart/between, distance to... from... edge, perimeter kilometre (<i>km</i>), metre (<i>m</i>) centimetre (<i>cm</i>), millimetre (<i>mm</i>) mile ruler, metre stick, tape measure mass: big, bigger, small, smaller, balances weight: heavy/light, heavier/lighter, heaviest/lightest weigh, weighs kilogram (<i>kg</i>), half- kilogram, gram (<i>g</i>) balance, scales</p>	<p>Position, over, under, underneath above, below, top, bottom, side on, in, outside, inside, around in front, behind, front, back before, after, beside, next to opposite, apart, between, middle, edge, centre, corner, direction, journey, route, map, plan left, right, up, down, higher, lower forwards, backwards, sideways, across close, far, near along, through, to, from, towards, away from, ascend, descend grid, row, column origin, coordinates clockwise, anti-clockwise compass point, north, south, east, west (N, S, E, W) north-east, north-west, south-east, south-west, (NE, NW, SE, SW) horizontal, vertical, diagonal parallel, perpendicular x-axis, y-axis, four quadrants quadrant, movement, slide, roll whole turn, half turn, quarter turn, rotate, rotation, angle, ...is a greater/smaller angle than, right angle, acute, obtuse, reflex degree, straight line stretch, bend, ruler, set square angle measurer, compasses, protractor adjacent translate/translation co-ordinate plane plot reflect/reflection</p>	<p>survey, questionnaire data, database graph, block graph, line graph represent group, set list, chart, bar chart, bar line chart table, frequency table Carroll diagram, Venn diagram label, title, axis, axes diagram most popular, most common least popular, least common maximum/minimum value temperature, degree, centigrade</p>



Shape	Algebra
shape, pattern flat, line curved, straight round hollow, solid corner point, pointed face, side, edge, end sort make, build, construct, draw, sketch centre, radius, diameter circumference, concentric, arc net surface angle, right-angled congruent intersecting, intersection plane base, square-based vertex, vertices layer, diagram regular, irregular concave, convex open, closed tangram	ascending order commutative property descending order enumerate equation expression formula formulae integer linear pattern puzzle rule sequence symbol term triangular number unknown variable



EYFS	Key Stage 1	Key Stage 2
<p>pattern puzzle answer right, wrong what could we try next? how did you work it out? count, sort group, set match same, different list</p> <p>How do you know? Can you show me in a different way? Is your partner right? What can you see? Is it equal to?</p>	<p>pattern puzzle, problem answer, explain right, wrong what could we try next? how did you work it out? count out, share out, left, left over number sentence sign, operation</p> <p>Year 2: calculate, calculation mental calculation What method did you use?</p> <p>What does this represent? Can you represent it differently? Can you tell me a story? Can you prove it? True or false... What did this person do? How did they get there? What mistake did I make?</p>	<p>pattern, puzzle, problem calculate, calculation mental calculation method, known facts, degree of accuracy answer, explain right, correct, wrong what could we try next? how did you work it out? number sentence sign, operation, symbol, equation</p> <p>USK2: strategy</p> <p>What does this represent? Can you tell me a story? Can you prove it? True or false... What did this person do? How did they get there? What mistake did I make? What method did you use?</p>