



Autumn

| Place Value | Addition and Subtraction | Multiplication and Division | Volume |
|--|--|---|---|
| <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>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 highest/lowest common factor prime number, square number prime factor</p> | <p>litre, half litre, millilitre capacity volume full empty more than, less than half full, quarter full holds, contains container, measuring cylinder pint, gallon</p> |



Spring

| Area and Perimeter | Fractions | Decimals |
|---|--|---|
| <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 area, covers, surface square centimetre (<i>cm²</i>)</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 proportion, ratio in every, for every to every, as many as</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 proportion, ratio in every, for every to every, as many as decimal, decimal fraction decimal point, decimal place</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 movement, slide, roll whole turn, half turn, quarter turn, rotate angle, ...is a greater/smaller angle than right angle, degree straight line, stretch, bend ruler, set square, angle measurer, compasses</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

shape, pattern
 flat, line curved, straight
 round
 hollow, solid
 sort make, build, construct, draw, sketch
 perimeter
 centre, radius, diameter
 surface
 angle, right-angled
 congruent base, square-based
 size
 bigger, larger, smaller symmetry, symmetrical, symmetrical pattern, line, symmetry, reflect, reflection
 axis of symmetry, reflective symmetry pattern, repeating pattern, match, regular, irregular

2D Shapes

2-D, two-dimensional corner, side point, pointed rectangle (including square), rectangular, oblong, rectilinear circle, circular triangle, triangular equilateral triangle, isosceles triangle, scalene triangle pentagon, pentagonal hexagon, hexagonal heptagon octagon, octagonal quadrilateral parallelogram, rhombus, trapezium polygon right - angled parallel, perpendicular x-axis, y-axis, quadrant

3D Shapes

3-D, three-dimensional face, edge, vertex, vertices cube, cuboid pyramid sphere, hemisphere, spherical cone cylinder, cylindrical prism, triangular prism tetrahedron, polyhedron octahedron



| 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> |