

Knypersley First School



Subject Specific Vocabulary For Mathematics



Vocabulary development

It is important to introduce children to the correct vocabulary at the appropriate time and within a suitable context. It is often helpful to do this using relevant real-life objects, mathematical manipulatives and visual representations such as pictures and diagrams. All children need regular, planned opportunities to develop their mathematical vocabulary in order that they become familiar with the language and are not confused by mathematical terms. They need to acquire the words necessary for them to take part in lessons and activities, respond to questions correctly and carry out tasks successfully. Fun games and activities, such as the following example, can be a useful way to rehearse words and their meanings regularly.

Effective questioning

Whilst children may be able to remember new terms, learning the meanings of words requires more than memorisation. To help children understand mathematical ideas and support them in using mathematical terms correctly, it is vital to employ a variety of questioning techniques to promote good dialogue in mathematics lessons. open and closed questions As teachers, we should be asking a variety of types of question. Effective questioning will include both closed questions with a single correct answer (What sort of number do you get when you add two odd numbers together?) and open questions with a number of possible answers to encourage children to think more deeply (What sort of numbers do you get when you add three consecutive numbers together?). Encouraging children to explain their thinking and methods is also vitally important. The answers given will provide teachers with useful assessment opportunities and evidence of children's level of understanding. Follow-up questions such as How do you know? or What makes you think that? as well as Can you give me another example? are essential to probe, develop and consolidate understanding.

Planning open questions that have more than one answer or more than one route to arrive at an answer gives more children a chance to respond. Open questions can also offer greater challenge and extension opportunities for higher-attaining children, encouraging them to search for alternative, less obvious or more general answers.

Useful question starters

When planning open questions, the following question stems and sentence starters can be helpful:

- Explain why ...
- I wonder why ...

- How do you know ...?
- Does anyone know ...?
- What will happen if ...?
- How will you know ...?
- How can we find out ...?
- Can you describe ...?
- Convince me ...
- Is there another way ...?
- What makes you think that ...?

EYFS & KS1 Mathematics Vocabulary

	Number	Measurement	Geometry	Statistics	General
EYFS	<p>Number Zero, number, one, two, three ... to twenty and beyond teens numbers, eleven, twelve ... twenty, none, how many ...? count, count (up) to, count on (from, to), count back (from, to) count in ones, twos, fives, tens, is the same as more, less odd, even, few, pattern, pair</p> <p>Place value Ones, tens, digit, the same number as, as many as more, larger, bigger, greater fewer, smaller, less, fewest, smallest, least most, biggest, largest, greatest, one more, ten more one less, ten less, compare, order, size, first, second, third... twentieth last, last but one before, after, next between.</p> <p>Estimating guess how many ...? Estimate, nearly, close to, about the same as,</p>	<p>Measure Size, compare, guess, estimate, enough, not enough, too much, too little, too many, too few nearly, close to, about the same as, just over, just under.</p> <p>Length metre length, height, width, depth long, short, tall high, low, wide, narrow, thick, thin longer, shorter, taller, higher ... and so on longest, shortest, tallest, highest ... and so on far, near, close.</p> <p>Weight weigh, weighs, balances, heavy, light, heavier than, lighter than, heaviest, lightest scales.</p> <p>Capacity and volume Full, empty, half full holds, container.</p> <p>Time days of the week, Monday, Tuesday ...</p>	<p>Properties of shape shape, pattern, flat, curved, straight, round, hollow, solid, sort, make, build, draw, size, bigger, larger, smaller, symmetrical pattern, repeating pattern, match.</p> <p>2-D shapes corner, side, rectangle (including square), circle, triangle.</p> <p>3-D shapes face, edge, vertex, vertices, cube, pyramid, sphere, cone.</p> <p>Position and direction position over, under, above, below, top, bottom, side on, in, outside, inside, around, in front, behind front, back, beside, next to, opposite, apart, between, middle, edge, corner, direction, left, right, up, down, forwards, backwards, sideways, across, next, to, close, near, far,</p>	<p>count, sort group, set list.</p>	<p>Pattern, puzzle, what could we try next? how did you work it out? Recognise, describe, draw, compare, sort.</p>

	<p>just over, just under, too many, too few, enough, not enough.</p> <p>Addition and subtraction add, more, and make, sum, total, altogether, double, one more, two more ... ten more, how many more to make ...? how many more is ... than ...? how much more is ...? take away, how many are left/left over? how many have gone? one less, two less, ten less ... how many fewer is ... than ...? how much less is ...? difference between</p> <p>Multiplication and division Sharing, doubling, halving, number patterns.</p> <p>Fractions parts of a whole, half, quarter.</p>	<p>day, week, birthday, holiday, morning, afternoon, evening, night, bedtime, dinner, time, playtime, today, yesterday, tomorrow, before, after, next, last, now, soon, early, late, quick, quicker, quickest, quickly slow, slower, slowest, slowly, old, older, oldest, new, newer, newest, takes longer, takes less time, hour, o'clock, clock, watch, hand.</p> <p>Money Coin, penny, pence, pound, price, cost, buy, sell, spend, spent, pay.</p>	<p>along, through, to, from, towards, away, from, movement, slide, roll, turn, stretch, bend, whole turn, half turn.</p>		
	Number	Measurement	Geometry	Statistics	General
Year 1	<p>Number Numeral, zero, one, two, three ... twenty, teens numbers, eleven, twelve ... twenty twenty-one, twenty-two</p>	<p>Measures Measurement, size, compare, guess, estimate, enough, not enough, too much, too little, too many, too few,</p>	<p>Properties of shape Shape, pattern, flat, curved, straight, round, hollow, solid, sort, make, build, draw, size, bigger, larger, smaller,</p>	<p>count, sort, vote, group, set list, table.</p>	<p>Pattern, puzzle, problem, problem solving, mental, mentally, what could we try next? how did you work it out? explain</p>

	<p>... one hundred, none how many ...? count, count (up) to, count on (from, to), count back (from, to), forwards, backwards, count in, ones, twos, fives, tens, equal to, equivalent to, is the same as, more, less, most, least, many, odd, even, multiple of, few, pattern, pair.</p> <p>Place value Ones, tens, digit, the same number as, as many as more, larger, bigger, greater, fewer, smaller, less, fewest, smallest, least, most, biggest, largest, greatest, one more, ten more, one less, ten less, equal to, one more, ten more, one less, ten less, compare, order, size, first, second, third... twentieth, last, last but one, before, after, next, between, half-way, between, above, below.</p> <p>Estimating Guess, how many ...? estimate, nearly, roughly, close to, about the same as, just over, just under, too many,</p>	<p>nearly, close to, about the same as, roughly, just over, just under.</p> <p>Length centimetre, metre, length, height, width, depth, long, short, tall high, low, wide, narrow, thick, thin, longer, shorter, taller, higher ... and so on, longest, shortest, tallest, highest ... and so on, far, near, close, ruler, metre stick.</p> <p>Weight kilogram, half kilogram weigh, weighs, balances heavy, light, heavier than, lighter than, heaviest, lightest, scales.</p> <p>Capacity and volume litre, half litre, capacity, volume, full, empty, more than, less than, half full, quarter full, holds, container.</p> <p>Time days of the week, Monday, Tuesday ... months of the year (January, February ...), seasons: spring, summer, autumn, winter day, week, weekend,</p>	<p>symmetry, symmetrical, symmetrical pattern, pattern repeating, pattern match.</p> <p>2-D shapes corner, side, point, pointed, rectangle (including square), circle, triangle.</p> <p>3-D shapes face, edge, vertex, vertices, cube, cuboid, pyramid, sphere, cone, cylinder.</p> <p>Position and direction Position, over, under, underneath, above, below top, bottom, side on, in outside, inside, around, in front, behind front, back, beside, next to, opposite, apart, between, middle, edge, centre, corner, direction, journey, left, right, up, down forwards, backwards, sideways, across, next to, close, near, far along, through to, from, towards, away from, movement, slide, roll, turn, stretch, bend, whole turn, half turn, quarter turn, three-quarter turn.</p>	<p>your thinking, recognise, describe, draw, compare, sort, reasoning.</p>
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	<p>too few, enough, not enough.</p> <p>Addition and subtraction Addition, add, more, and make, sum, total, altogether, double, near, half, halve, one more, two more ... ten more, how many more to make ...? how many more is ... than ...? how much more is ...? Subtract, take away, how many are left/left over? how many have gone? one less, two, less, ten less ... how many fewer is ... than ...? how much less is ...? difference between, equals, is the same as, number bonds/pairs, missing number.</p> <p>Multiplication and division Multiplication, multiply, multiplied by, multiple, division, dividing, grouping, sharing, doubling, halving, array, number patterns.</p> <p>Fractions Fraction, equal, part equal, grouping, equal sharing, parts of a</p>	<p>month, year, birthday, holiday, morning, afternoon, evening, night, bedtime, dinner time, playtime today, yesterday, tomorrow, before, after, earlier, later, next, first, last, midnight, date, now, soon, early, late, quick, quicker, quickest, quickly, slow, slower, slowest, slowly, old, older, oldest, new, newer, newest, takes longer, takes less time, how long ago? how long will it be to ...? how long will it take to ...? how often? always, never, often, sometimes, usually, once, twice, hour, o'clock, half past, quarter past, quarter to clock, clock face, watch, hands, hour hand, minute hand, hours, minutes.</p> <p>Money Coin, penny, pence, pound, price, cost, buy, sell, spend, spent, pay change, dear, costs more, cheap, costs less, cheaper, costs the same as, how much ...? how many ...? Total.</p>			
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	whole, half, one of two equal parts, quarter, one of four equal parts.				
	Number	Measurement	Geometry	Statistics	General
Year 2	<p>Number Numeral, zero, one, two, three ... twenty, teens numbers, eleven, twelve ... twenty, twenty-one, twenty-two ... one hundred, two hundred ... one thousand, none, how many ...? count, count (up) to, count on (from, to), count back (from, to), forwards, backwards, count in ones, twos, fives, tens, threes, fours and so on, equal to, equivalent to, is the same as, more, less, most, least, tally, many, odd, even, multiple of, sequence, continue, predict, few, pattern, pair, rule > greater than < less than</p> <p>Place value Ones, tens, hundreds digit one-, two- or three-digit number, place, place value stands for, represents, exchange, the same number as, as many as more, larger, bigger, greater, fewer,</p>	<p>Measures measurement, size, compare, measuring, scale, guess, estimate, enough, not enough, too much, too little, too many, too few, nearly, close to, about the same as, roughly, just over, just under.</p> <p>Length centimetre, metre, length, height, width, depth, long, short, tall, high, low, wide, narrow, thick, thin, longer, shorter, taller, higher ... and so on, longest, shortest, tallest, highest ... and so on, far, further, furthest, near, close, ruler, metre stick, tape measure.</p> <p>Weight kilogram, half kilogram, gram, weigh, weighs, balances, heavy, light, heavier than, lighter than, heaviest, lightest scales.</p> <p>Capacity and volume</p>	<p>Properties of shape shape, pattern, flat, curved, straight, round, hollow, solid, sort, make, build, draw, surface, size, bigger, larger, smaller, symmetry, symmetrical, symmetrical pattern, line symmetry pattern, repeating pattern, match.</p> <p>2-D shapes corner, side, point, pointed, rectangle (including square), rectangular, circle, circular, triangle, triangular, pentagon, hexagon, octagon.</p> <p>3-D shapes face, edge, vertex, vertices, cube, cuboid, pyramid, sphere, cone, cylinder.</p> <p>Position and direction Position, over, under, underneath, above, below, top, bottom, side on, in outside, inside, around, in front, behind,</p>	count, tally, sort, vote, graph, block graph, pictogram, represent, group, set, list, table, label, title, most popular, most common, least popular, least common.	Pattern, puzzle, problem, problem solving, mental, mentally, what could we try next? how did you work it out? show how you ... explain your thinking, explain your method, describe the pattern, describe the rule, investigate, recognise, describe, draw, compare, sort, mental calculation, written calculation, reasoning.

	<p>smaller, less, fewest, smallest, least, most, biggest, largest, greatest one more, ten more, one less, ten less, equal to, compare, order, size, first, second, third ... twentieth, twenty-first, twenty-second ... last, last but one, before, after, next, between, halfway between, above, below.</p> <p>Estimating guess how many ...? estimate, nearly, roughly close to, about the same as, just over, just under, exact, exactly</p> <p>Addition and subtraction Addition, add, more, and make, sum, total altogether, double, near, double half, halve, one more, two more ... ten more ... one hundred more, how many more to make ...? how many more is ... than ...? how much more is ...? Subtract, take away how many are left/left over? how many have</p>	<p>litre, half litre, millilitre, capacity, volume, full, empty, more than, less than, half full, quarter full, holds, contains, container.</p> <p>Temperature Degree</p> <p>Time days of the week, Monday, Tuesday ... months of the year (January, February ...) seasons: spring, summer, autumn, winter, day, week, weekend, fortnight, month, year, birthday, holiday morning, afternoon, evening, night, bedtime, dinnertime, playtime, today, yesterday, tomorrow, before, after, earlier, later next, first, last, midnight, date, now, soon, early, late, quick, quicker, quickest, quickly, slow, slower, slowest, slowly, old, older, oldest, new, newer, newest, takes longer, takes less time, how long ago? how long will it be to ...? how long will it take to ...? how often? always,</p>	<p>front, back, beside, next to, opposite, apart, between, middle, edge, centre, corner, direction, journey, route, left, right, up, down, higher, lower, forwards, backwards, sideways, across, next to, close, near, far, along, through, to, from, towards, away from, clockwise, anticlockwise, movement, slide, roll, turn, stretch, bend, whole turn, half turn, quarter turn, three-quarter turn, right angle, straight line.</p>		
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	<p>gone? one less, two less, ten less ... one hundred less, how many fewer is ... than ...? how much less is ...? difference between, equals, is the same as, number bonds /pairs/facts tens boundary</p> <p>Multiplication and division Multiplication, multiply, multiplied by, multiple, groups of times, once, twice, three times ... ten times, repeated addition, division, dividing, divide, divided by, divided into, grouping, sharing, share, share equally, left, left over, one each, two each, three each ... ten each, group in pairs, threes ... tens equal groups of, doubling, halving, array, row, column, number patterns, multiplication table, multiplication fact, division fact</p> <p>Fractions Fraction, equivalent fraction, mixed number, numerator, denominator, equal</p>	<p>never, often, sometimes, usually once, twice, hour, o'clock, half past, quarter past, quarter to 5, 10, 15 ... minutes past, clock, clock face, watch, hands, digital/analogue, clock/watch, timer, hour hand, minute hand, hours, minutes, seconds.</p> <p>Money Coin, penny, pence, pound, price, cost, buy, bought, sell, sold, spend, spent, pay, change, dear, costs, more cheap, costs, less, cheaper, costs the same as, how much ...? how many ...? Total.</p>			
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part, equal grouping, equal sharing, parts of a whole half, two halves, one of two equal parts, quarter, two quarters, three quarters, one of four equal parts, one third, two thirds one of three equal parts.				
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KS2 Mathematics Vocabulary

	Number	Measurement	Geometry	Statistics	General
Year 3	<p>Number Number, numeral zero one, two, three ... twenty teens numbers, eleven, twelve ... twenty, twenty-one, twenty-two ... one hundred, two hundred ... one thousand, none, how many ...? count, count (up) to, count on (from, to), count back (from, to) forwards, backwards, count in ones, twos, fives, tens, threes, fours, eights, fifties and so on to hundreds, equal to, equivalent to, is the same as, more, less most, least, tally, many, odd, even multiple of, factor of, sequence,</p>	<p>Measures measurement, size, compare, measuring scale, division guess, estimate, enough, not enough, too much, too little, too many, too few, nearly, close to, about the same as, approximately, roughly, just over, just under</p> <p>Length millimetre, centimetre, metre, kilometre, mile, length, height, width, depth, long, short, tall, high, low wide, narrow thick, thin longer, shorter, taller, higher, longest, shortest, tallest, highest, far, further, furthest, near, close,</p>	<p>Properties of shape shape, pattern, Flat, curved, straight, round, hollow, solid sort, make, build, draw, perimeter, surface, size, bigger, larger, smaller symmetry, symmetrical, symmetrical pattern, line, symmetry pattern, repeating pattern, match.</p> <p>2-D shapes corner, side, point, pointed, rectangle (including square), rectangular, circle, circular, triangle, triangular, pentagon, pentagonal, hexagon, hexagonal, octagon, octagonal, quadrilateral,</p>	<p>count, tally, sort, vote, graph, block graph, pictogram, represent, group, set, list, table, chart, bar chart, frequency table, Carroll diagram, Venn diagram, label, title, axis, axes, diagram most popular, most common, least popular, least common.</p>	<p>Pattern, puzzle, problem, problem-solving, mental, mentally, what could we try next? how did you work it out? show how you ... explain your thinking, explain your method, describe the pattern, describe the rule, investigate, recognise, describe, draw, compare, sort, greatest value, least value, mental calculation, written calculation, statement, reasoning.</p>

	<p>continue predict, few, pattern, pair, rule, relationship, > greater than, < less than, Roman numerals,</p> <p>Place value ones tens, hundreds, digit one-, two- or three-digit number place, place value, stands for, represents, exchange, the same number as, as many as more, larger, bigger, greater, fewer, smaller, less, fewest, smallest, least, most, biggest, largest, greatest, one more, ten more, one hundred more one less, ten less, one hundred less, equal to, compare, order, size, first, second, third ... twentieth, twenty-first, twenty-second ... last, last but one, before, after next, between, halfway between above, below.</p> <p>Estimating guess how many ...? estimate, nearly, roughly, close to, approximate, approximately, about the same as, just over, just under. exact,</p>	<p>distance apart ... between ... to ... from perimeter, ruler, metre stick, tape measure.</p> <p>Weight kilogram, half kilogram, gram, weigh, weighs, balances, heavy, light heavier than, lighter than, heaviest, lightest scales.</p> <p>Capacity and volume litre, half litre, millilitre, capacity, volume, full, empty, more than, less than, half full, quarter full, holds, contains container.</p> <p>Temperature temperature, degree, centigrade.</p> <p>Time Time, days of the week, Monday, Tuesday ... months of the year (January, February ...) Seasons: spring, summer, autumn, winter day, week, weekend, fortnight, month, year, century, birthday, holiday, morning, afternoon, evening, night, bedtime, dinner time, playtime, today,</p>	<p>right-angled, parallel, perpendicular. 3-D shapes face, edge, vertex, vertices, cube, cuboid, pyramid sphere, hemisphere, cone, cylinder, prism, triangular prism.</p> <p>Position and direction Position, over, under, underneath, above, below, top, bottom, side on, in, outside, inside, around, in front, behind, front, back, beside, next to, opposite, apart, between, middle, edge, centre, corner, direction, journey, route, left, right, up, down, higher, lower, forwards, backwards, sideways, across, next to, close, near, far, along, through to, from, towards, away from, clockwise, anticlockwise, compass point, north, south, east, west, N, S, E, W, horizontal, vertical, diagonal, movement, slide, roll turn, stretch, bend, whole turn, half turn, quarter turn, three-quarter turn angle ... is a greater/smaller angle than right angle,</p>		
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	<p>exactly too many, too few enough, not enough round, nearest, round to the nearest ten, hundred round up, round down</p> <p>addition and subtraction addition add, more, and make, sum, total altogether double near double half, halve one more, two more ... ten more ... one hundred more how many more to make ...? how many more is ... than ...? how much more is ...?</p> <p>subtract take away how many are left/left over? how many have gone? one less, two less, ten less ... one hundred less how many fewer is ... than ...? how much less is ...? Difference, between, equals is the same as, number bonds/pairs/facts missing number, tens boundary, hundreds boundary</p> <p>Multiplication and division multiplication, multiply, multiplied by, multiple, factor, groups of, times, product once, twice, three times ... ten times, repeated</p>	<p>yesterday, tomorrow, before, after, earlier, later, next, first, last midnight, calendar, date, now, soon, early, late, earliest, latest, quick, quicker, quickest, quickly, slow, slower, slowest, slowly, old, older, oldest, new, newer, newest, takes longer, takes less time, how long ago? how long will it be to ...? how long will it take to ...? how often? always, never, often, sometimes, usually once, twice, hour, o'clock, half past, quarter past, quarter to 5, 10, 15 ... minutes past a.m., p.m. clock, clock face, watch, hands, digital/analogue clock/watch, timer, hour hand, minute hand, hours, minutes, seconds, Roman numerals, 12-hour clock time, 24-hour clock time.</p> <p>Money Money, coin penny, pence, pound, price, cost, buy, bought, sell, sold, spend, spent, pay, change, dear, costs</p>	<p>acute angle, obtuse angle, straight line.</p>		
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	<p>addition, division, dividing, divide, divided by, divided into, left, left over, remainder, grouping, sharing, share, share equally one each, two each, three each ... ten each, group in pairs, threes ... tens, equal groups of, doubling, halving, array row, column, number patterns, multiplication table, multiplication fact, division fact.</p> <p>Fractions Fraction, equivalent, fraction, mixed number, numerator, denominator, equal part, equal grouping, equal sharing, parts of a whole half, two halves, one of two equal parts, quarter, two quarters, three quarters, one of four equal parts, one third, two thirds, one of three equal parts, sixths, sevenths, eighths, tenths ...</p>	<p>more, cheap, costs less, cheaper, costs the same as, how much ...? how many ...? Total.</p>			
	Number	Measurement	Geometry	Statistics	General
Year 4	<p>Number Numeral, zero, one, two, three ... twenty teens numbers, eleven,</p>	<p>Measure Measurement, size, compare, unit, standard unit, metric unit,</p>	<p>Properties of shape Shape, pattern, flat, line, curved, straight, round, hollow, solid,</p>	<p>Count, tally, sort, vote, survey, questionnaire, data, graph, block graph, pictogram,</p>	<p>Pattern, puzzle problem, problem solving, mental, mentally, what could we</p>

	<p>twelve ... twenty, twenty-one, twenty-two, ... one hundred, two hundred ... one thousand ... ten thousand, hundred thousand, million, none, how many ...? count, count (up) to, count on (from, to), count back (from, to), forwards, backwards, count in ones, twos, fives, tens, threes, fours, eights, fifties, sixes, sevens, nines, twenty-fives and so on to hundreds, thousands, equal to, equivalent to, is the same as, more, less most, least, tally, many, odd, even, multiple of, factor of, sequence, continue, predict, few, pattern, pair, rule, relationship, next, consecutive > greater than, < less than, Roman numerals, integer, positive, negative, above/below, zero, minus, negative, numbers.</p> <p>Place value Ones, tens, hundreds, digit one-, two- or three-digit number, place, place value, stands for,</p>	<p>measuring scale, division, guess, estimate, enough, not enough, too much, too little, too many, too few nearly, close to, about the same as, approximately, roughly, just over, just under.</p> <p>Length Millimetre, centimetre, metre, kilometre, mile, length, height, width, depth, breadth, long, short, tall, high, low, wide, narrow, thick, thin, longer, shorter, taller, higher ... and so on, longest, shortest, tallest, highest ... and so on, far, further, furthest, near, close, distance apart ... between ... to ... from edge, perimeter, area, covers, square centimetre (cm²), ruler, metre stick, tape measure.</p> <p>Weight Mass, big, bigger, small, smaller, weight, heavy/light, heavier/lighter, heaviest/ lightest, kilogram, half kilogram, gram weigh, weighs, balances, heavy, light,</p>	<p>sort, make, build, construct, draw, sketch, perimeter centre, surface, angle, right-angled, base, square-based, size, bigger, larger, smaller, symmetry, symmetrical, symmetrical pattern. line symmetry. reflect, reflection pattern, repeating pattern. match regular, irregular.</p> <p>2-D 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.</p> <p>3-D shapes 3-D, three-dimensional, face, edge, vertex, vertices, cube, cuboid,</p>	<p>represent, group, set, list, table, chart, bar chart, frequency table, Carroll diagram, Venn diagram, label, title, axis, axes, diagram, most popular, most common, least popular, least common.</p>	<p>try next? how did you work it out? show how you ... explain your thinking, explain your method, describe the pattern, describe the rule, investigate, recognise, describe, draw, compare, sort, greatest, value, least value, mental calculation, written calculation, statement justify, make a statement, reasoning.</p>
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	<p>represents, exchange, the same number as, as many as, more, larger, bigger, greater, fewer, smaller, less, fewest, smallest, least, most, biggest, largest, greatest, one more, ten more, one hundred more, one thousand more, one less, ten less, one hundred less, one thousand less, equal to, compare, order, size, first, second, third ... twentieth, twenty-first, twenty-second ... last, last but one, before, after, next, between, halfway between, above, below.</p> <p>Estimating Guess, how many, estimate, nearly, roughly, close to, approximate, approximately about the same as, just over, just under, exact, exactly too many, too few, enough, not enough, round, nearest, round to the nearest ten, hundred, thousand round up, round down.</p>	<p>heavier than, lighter than, heaviest, lightest, scales.</p> <p>Capacity and volume litre, half litre, millilitre, capacity, volume, full empty, more than, less than, half, full, quarter full, holds, contains, container, measuring cylinder.</p> <p>Temperature Degree, centigrade</p> <p>Time Days of the week, Monday, Tuesday ... months of the year (January, February ...), seasons, spring, summer, autumn, winter, day, week, weekend, fortnight, month, year, leap year, century, millennium, birthday, holiday, morning, afternoon, evening, night, bedtime, dinner time, playtime, today, yesterday, tomorrow, before, after, earlier, later, next, first, last, noon, midnight, calendar, date, date of birth, now, soon, early, late, earliest, latest, quick, quicker, quickest,</p>	<p>pyramid, sphere, hemisphere, spherical, cone, cylinder, cylindrical prism, triangular prism, tetrahedron, polyhedron.</p> <p>Position and direction Position, over, under, underneath, above, below top, bottom, side on, in/outside, around, in front, behind, front, back, beside, next to, opposite, apart, between, middle, edge, centre, corner, direction, journey, route, left, right, up, down, higher, lower, forwards, backwards, sideways, across, next to, close, near, far, along, through to, from, towards, away from, clockwise, anticlockwise, 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 translate, translation, movement, slide, roll, turn, stretch, bend, whole turn, half turn, quarter turn, three-quarter turn,</p>		
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	<p>Addition and subtraction Addition, add, more, and make, sum, total altogether, double, near double, half, halve one more, two more... ten more... one hundred more, how many more to make ...? how many more is ... than ...? how much more is ...? Subtract, take away, how many are left/left over? how many have gone? one less, two less, ten less ... one hundred less, how many fewer is ... than..? how much less is ..? difference between, equals, is the same as, number bonds/pairs/facts, missing number, tens boundary, hundreds boundary, inverse.</p> <p>Multiplication and division Multiplication, multiply, multiplied by, multiple, factor groups of, times, product, once, twice, three times ... ten times, repeated addition, division dividing, divide, divided by, divided into left, left</p>	<p>quickly slow, slower, slowest, slowly old, older, oldest, new, newer, newest, takes longer, takes less time, how long ago? how long will it be to ...? how long will it take to ...? how often? always, never, often, sometimes, usually, once, twice, hour, o'clock, half past, quarter past, quarter to, 5, 10, 15 ... minutes past, a.m., p.m. clock, clock face, watch, hands digital/analogue clock/watch, timer hour hand, minute hand, hours, minutes, seconds timetable, arrive,, depart, Roman numerals, 12-hour clock, time, 24-hour clock time.</p> <p>Money Coin, penny, pence, pound, price, cost, buy, bought, sell, sold, spend, spent, pay, change, dear, costs, more, cheap, costs, less, cheaper, costs, the same as, how much ...? how many ...? Total.</p>	<p>rotate, rotation, angle, is a greater/smaller angle than, degree, right angle, acute angle, obtuse, angle, reflection straight line, ruler, set square, angle measurer, compass.</p>		
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	<p>over, remainder, grouping, sharing, share, share equally, one each, two each, three each ... ten each, group in pairs, threes ... tens, equal groups of, doubling, halving, array row, column, number patterns, multiplication table, multiplication fact, division, fact, inverse, square, squared cube, cubed.</p> <p>Fractions (including decimals) Fraction, equivalent fraction, mixed number, numerator, denominator, equal part, equal grouping, equal sharing, parts of a whole, half, two halves, one of two equal parts, quarter, two quarters, three quarters, one of four equal parts, one third, two thirds, one of three equal parts, sixths, sevenths, eighths, tenths ... hundredths, decimal, decimal fraction, decimal point, decimal place, decimal equivalent, proportion.</p>				
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	Number	Measurement	Geometry	Statistics	General
Year 5	<p>Number and place value Numeral, zero, one, two, three ... twenty, teens numbers, eleven, twelve ... twenty, twenty-one, twenty-two, ... one hundred, two hundred ... one thousand ... ten thousand, hundred thousand, million, none, how many ... ? count, count (up) to, count on (from, to), count back (from, to), forwards, backwards, count in ones, twos, fives, tens, threes, fours, eights, fifties, sixes, sevens, nines, twenty-fives and so on to hundreds, thousands, equal to, equivalent to, is the same as, more, less, most, least, tally, many, odd, even, multiple of, factor of, factor pair, sequence, continue, predict, few, pattern pair, rule, relationship, next, consecutive > greater than < less than \geq greater than or equal to \leq less than or equal to, Roman numerals,</p>	<p>Measure Measurement, size, compare, unit, standard unit, metric unit, imperial unit, measuring scale, division, guess, estimate, enough, not enough, too much, too little, too many, too few, nearly, close to, about the same as, approximately, roughly, just over, just under.</p> <p>Length millimetre, centimetre, metre, kilometre, mile, length, height, width, depth, breadth, long, short, tall, high, low, wide, narrow, thick, thin, longer, shorter, taller, higher ... and so on longest, shortest, tallest, highest ... and so on, far, further, furthest, near, close, distance apart ... between ... to ... from edge, perimeter, area, covers square, centimetre, (cm²), square metre, (m²), square millimetre, (mm²) ruler, metre stick, tape measure.</p>	<p>Properties of 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.</p> <p>2-D 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,</p>	<p>count, tally, sort, vote, survey, questionnaire, data, database, graph, block graph, pictogram, represent, group, set, list, table, chart, bar chart, frequency table, bar line chart, Carroll diagram, Venn diagram, line graph, label, title, axis, axes diagram, most popular, most common, least popular, least common, maximum/minimum value outcome, mode, mean.</p>	<p>Pattern, puzzle, problem, problem solving, mental, mentally, what could we try next? how did you work it out? show how you ... explain your thinking, explain your method, describe the pattern, describe the rule, investigate, recognise, describe, draw, compare, sort, greatest value, least value, mental calculation, written calculation, statement, justify, make a statement, explain your reasoning.</p>

	<p>integer, positive, negative, above/below, zero, minus, negative numbers, formula, divisibility, square number, prime number, ascending/descending, order.</p> <p>Place value Ones, tens, hundreds, digit one-, two- or three-digit number, place, place value, stands for, represents, exchange, the same number as, as many as more, larger, bigger, greater, fewer, smaller, less, fewest, smallest, least, most, biggest, largest, greatest, one more, ten more, one hundred more, one thousand more, one less, ten less, one hundred less, one thousand less, equal to, compare, order, size, first, second, third ... twentieth, twenty-first, twenty-second ... last, last but one, before, after, next, between, halfway between, above, below.</p>	<p>Weight Mass, big, bigger, small, smaller weigh, heavy/light, heavier/lighter, heaviest/ lightest, kilogram, half kilogram, gram, weigh, weighs, balances, heavy, light, heavier than, lighter than, heaviest, lightest scales.</p> <p>Capacity and volume litre, half litre, millilitre, capacity, volume, full, empty, more/than less than, half, full, quarter full, holds, contains, container, measuring, cylinder pint, gallon.</p> <p>Temperature Degree, centigrade.</p> <p>Time Days of the week, Monday, Tuesday ... months of the year (January, February ...), seasons, spring, summer, autumn, winter, day, week, weekend, fortnight, month, year, leap year, century, millennium, birthday, holiday, morning, afternoon, evening, night, bedtime,</p>	<p>parallelogram, rhombus, trapezium, polygon, right –angled, parallel, perpendicular, x-axis, y-axis, quadrant.</p> <p>3-D shapes 3-D, three-dimensional, face, edge, vertex, vertices, cube, cuboid, pyramid, sphere, hemisphere, spherical, cone, cylinder, cylindrical prism, triangular prism, tetrahedron, polyhedron, octahedron.</p> <p>Position and direction Position, over, under, underneath, above, below, top, bottom, side on, in/outside, around, in front, behind, front, back, beside, next to, opposite, apart, between, middle, edge, centre, corner, direction, journey, route, left, right, up, down, higher, lower, forwards, backwards, sideways, across, next to, close, near, far, along, through to, from, towards, away from, clockwise, anticlockwise, compass point, north, south, east,</p>		
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	<p>Estimating guess how many ...? estimate, nearly, roughly, close to, approximate, approximately, about the same as, just over, just under, exact, exactly, too many, too few, enough, not enough, round, nearest, round to the nearest ten, hundred, thousand, ten, thousand, round up, round down.</p> <p>Addition and subtraction Addition, add, more, and make, sum, total, altogether, double, near double, half, halve, one more, two more ... ten more ... one hundred more how many more to make ...? how many more is ... than ...? how much more is ...? Subtract, take away, how many are left/left over? how many have gone? one less, two less, ten less ... one hundred less, how many fewer is ... than ...? how much less is ...? difference between, equals, is the same as, number</p>	<p>dinner time, playtime, today, yesterday, tomorrow, before, after, earlier, later, next, first, last, noon, midnight, calendar, date, date of birth, now, soon, early, late, earliest, latest, quick, quicker, quickest, quickly, slow, slower, slowest, slowly old, older, oldest, new, newer, newest, takes longer, takes less time, how long ago? how long will it be to ...? how long will it take to ...? how often? always, never, often, sometimes, usually once, twice hour, o'clock, half past, quarter past, quarter to 5, 10, 15 ... minutes past, a.m., p.m. clock, clock face, watch, hands, digital/analogue, clock/watch, timer, hour hand, minute hand, hours, minutes, seconds, timetable, arrive, depart, Roman numerals, 12-hour clock time, 24-hour clock time.</p> <p>Money Coin, penny, pence, pound, price, cost, buy,</p>	<p>west, N, S, E, W north- east, north-west, south- east, south-west, NE, NW, SE, SW, horizontal, vertical, diagonal, translate, translation, coordinate, movement, slide, roll, turn, stretch, bend, whole turn, half turn, quarter turn, three- quarter turn, rotate, rotation, angle, is a greater/smaller angle than, degree, right angle, acute angle, obtuse angle, reflection, straight, line, ruler, set square, angle measurer, compass, protractor.</p>		
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	<p>bonds/pairs/facts, missing number, tens boundary, hundreds boundary, ones boundary, tenths boundary, inverse.</p> <p>Multiplication and division Multiplication, multiply, multiplied by, multiple, factor groups of, times, product, once, twice, three times ... ten times repeated addition, division, dividing, divide, divided by, divided into, left, left over, remainder, grouping sharing, share, share equally, one each, two each, three each ... ten each, group in pairs, threes ... tens, equal groups of, doubling, halving, array, row, column, number patterns, multiplication table, multiplication fact, division fact, Inverse, square, squared, cube, cubed.</p> <p>Fractions (including decimals and percentages) fraction, proper/improper fraction, equivalent</p>	<p>bought, sell, sold, spend, spent, pay, change, dear, costs more, cheap, costs less, cheaper, costs the same as, how much ...? how many ...? Total, discount, currency.</p>			
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	fraction, mixed number, numerator, denominator, equivalent, reduced to, cancel, equal part, equal grouping, equal sharing, parts of a whole/half, two halves, one of two equal parts, quarter, two quarters, three quarters, one of four equal parts, one third, two thirds, one of three equal parts, sixths, sevenths, eighths, tenths ... hundredths, thousandths, decimal, decimal fraction, decimal point, decimal place, decimal equivalent, proportion, in every, for every, percentage, per cent, %				
	Number	Measurement	Geometry	Statistics	General
Year 6	Number and place value Number, numeral, zero, one, two, three ... twenty, teens numbers, eleven, twelve ... twenty twenty-one, twenty-two ... one hundred, two hundred ... one thousand ... ten thousand, hundred thousand, million, none,	Measure Measurement, size, compare, unit, standard unit, metric unit, imperial unit, measuring scale, division, guess, estimate, enough, not enough, too much, too little, too many, too few, nearly, close to, about the same as,	Properties of shape Shape, pattern, flat, line, curved, straight, round, hollow, solid, sort, make, build, construct, draw, sketch, perimeter, centre, radius, diameter, circumference, concentric, arc, net, open, closed, surface, angle, right-angled,	Count, tally, sort, vote, survey, questionnaire, data, database, graph, block graph, pictogram, represent, group, set, list, table, chart, bar chart, frequency table, bar line chart, Carroll diagram, Venn diagram, line graph, pie chart, label, title, axis, axes, diagram, most popular,	Pattern, puzzle, problem, problem solving, mental, mentally, what could we try next? how did you work it out? show how you ... explain your thinking, explain your method, describe the pattern, describe the rule, investigate, recognise, describe,

	<p>how many ...? count, count (up) to, count on (from, to), count back (from, to), forwards, backwards, count in ones, twos, fives, tens, threes, fours, eights, fifties, sixes, sevens, nines, twenty-fives and so on to hundreds, thousands, equal to, equivalent to, is the same as, more, less most, least, tally, many, odd, even, multiple of, factor of, factor pair, sequence, continue, predict, few, pattern, pair, rule, relationship, next, consecutive > greater than < less than \geq greater than or equal to, \leq less than or equal to, Roman numerals, integer, positive, negative above/below, zero, minus, negative numbers, formula, divisibility, square number, prime number, factorise, prime factor, ascending/descending order, digit, total.</p> <p>Place value ones tens, hundreds digit one-, two- or three-digit number place, place value, stands for,</p>	<p>approximately, roughly just over, just under.</p> <p>Length centimetre, metre, millimetre, kilometre, mile, yard, foot, feet, inch, inches, length, height, width, depth, breadth, long, short, tall high, low, wide, narrow, thick, thin, longer, shorter, taller, higher ... and so on, longest, shortest, tallest, highest ... and so on, far, further, furthest, near, close, distance apart ... between ... to ... from edge, perimeter, circumference area, covers, square centimetre (cm²), square metre (m²), square millimetre (mm²), ruler, metre stick, tape measure.</p> <p>Weight Mass, big, bigger, small, smaller weight, heavy/light, heavier/lighter, heaviest/ lightest, tonne, kilogram, half kilogram, gram, pound, ounce, weigh, weighs, balances, heavy, light heavier than, lighter</p>	<p>congruent intersecting, intersection, plane 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.</p> <p>2-D 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, kite, polygon, right-angled, parallel, perpendicular, x-axis, y-axis, quadrant.</p> <p>3-D shapes</p>	<p>most common, least popular, least common, maximum/minimum, value, outcome, mean, (mode, median, range) statistics, distribution.</p>	<p>draw, compare, sort, greatest value, least value, mental calculation, written calculation, statement, justify, make a statement, explain your reasoning.</p>
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	<p>represents, exchange, the same number as, as many as more, larger, bigger, greater, fewer, smaller, less, fewest, smallest, least, most, biggest, largest, greatest, one more, ten more, one hundred more, one thousand more, one less, ten less, one hundred less, one thousand less, equal to, compare, order, size, first, second, third ... twentieth, twenty-first, twenty-second ... last, last but one, before, after, next, between, halfway between, above, below.</p> <p>Estimating guess how many ...? estimate, nearly roughly, close to, approximate, approximately, about the same as, just over, just under, exact, exactly too many, too few, enough, not enough, round, nearest, round to the nearest ten, hundred, thousand, ten thousand, round up, round down.</p>	<p>than, heaviest, lightest, scales.</p> <p>Capacity and volume litre, half litre, millilitre, centilitre, cubic centimetres(cm³), cubic metres (m³), cubic millimetres (mm³), cubic kilometres (km³), capacity, volume, full, empty, more than, less than, half full, quarter full, holds, contains, container, measuring, cylinder pint, gallon.</p> <p>Temperature Degree, centigrade.</p> <p>Time Days of the week, Monday, Tuesday ... months of the year (January, February ...) seasons, spring, summer, autumn, winter, day, week, weekend, fortnight, month, year, leap year, century, millennium, birthday, holiday, morning, afternoon, evening, night, bedtime, dinner time, playtime, today, yesterday, tomorrow, before, after, earlier, later, next, first, last, noon, midnight,</p>	<p>3-D, three-dimensional, face, edge, vertex, vertices, cube, cuboid, pyramid, sphere, hemisphere, spherical, cone, cylinder, cylindrical prism, triangular prism, tetrahedron, polyhedron, octahedron, dodecahedron, net, open, closed.</p> <p>Position and direction Over, under, underneath, above, below, top, bottom, side on, in/outside, around, in front, behind, front, back, beside, next to, opposite, apart, between, middle, edge, centre, corner, direction, journey, route, left, right, up, down, higher, lower, forwards, backwards, sideways, across, next to, close, near, far, along, through to, from, towards, away from, clockwise, anticlockwise, 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,</p>		
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	<p>Addition and subtraction Addition, add, more, make, sum, total, altogether, double, near double, half, halve one more, two more ... ten more ... one hundred more, how many more to make ...? how many more is ... than ...? how much more is ...? Subtract, take away, how many are left/left over? how many have gone? one less, two less, ten less ... one hundred less, how many fewer is ... than ...? how much less is ...? Difference, between, equals, is the same as, number bonds /pairs/facts missing number, tens boundary, hundreds boundary, ones boundary, tenths boundary, inverse.</p> <p>Multiplication and division Multiplication, multiply, multiplied by, multiple, factor groups of, times, product, once, twice, three times ... ten times repeated addition, division, dividing, divide,</p>	<p>calendar, date, date of birth, now, soon, early, late, earliest, latest, quick, quicker, quickest, quickly, slow, slower, slowest, slowly, old, older, oldest, new, newer, newest, takes longer, takes less time, how long ago? how long will it be to ...? how long will it take to ...? how often? always, never, often, sometimes, usually, once, twice, hour, o'clock, half past, quarter past, quarter to 5, 10, 15 ... minutes past, a.m., p.m. clock, clock face, watch hands, digital/analogue clock/watch, timer, hour hand, minute hand hours, minutes, seconds, timetable, arrive, depart, Roman numerals, 12-hour clock time, 24-hour clock time, Greenwich Mean Time, British Summer Time, International Date, Line</p> <p>Money Coin, penny, pence, pound, price, cost, buy, bought, sell, sold, spend, spent, pay,</p>	<p>translate, translation, coordinate, movement, slide, roll, turn, stretch, bend, whole turn, half turn, quarter turn, three-quarter turn, rotate, rotation, angle, is a greater/smaller angle than, degree, right angle, acute angle, obtuse angle, reflex angle, reflection, straight line, ruler, set square, angle measurer, compass, protractor.</p>		
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	<p>divided by, divided into, left, left over, remainder, grouping, sharing, share, share equally, one each, two each, three each ... ten each group in pairs, threes ... tens, equal groups of doubling, halving, array, row, column, number patterns, multiplication table, multiplication fact, division fact, inverse, square, squared, cube, cubed.</p> <p>Fractions (including decimals, percentages, ratio and proportion) fraction, proper/improper fraction, equivalent fraction, mixed number, numerator, denominator, equivalent, reduced to, cancel, equal part, equal grouping, equal sharing, parts of a whole, half, two halves, one of two equal parts, quarter, two quarters, three quarters, one of four equal parts, one third, two thirds one of three equal parts, sixths, sevenths,</p>	<p>change, dear, costs more, cheap, costs less, cheaper, costs the same as, how much ...? how many ...? Total, discount, currency, profit, loss.</p>			
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	<p>eighths, tenths ... hundredths, thousandths, decimal, decimal fraction, decimal point, decimal place, decimal equivalent, proportion, in every, for every, ratio percentage, per cent, %</p> <p>Algebra formula, formulae, equation, unknown, variable.</p>				
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