



# Subject Specific Vocabulary For Mathematics

**'Together we unlock potential and learn for life'**

## **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
<b>EYFS</b>	<p><b>Number</b> 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><b>Place value</b> 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><b>Estimating</b> guess how many ...? Estimate, nearly, close to, about the same as,</p>	<p><b>Measure</b> 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><b>Length</b> 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><b>Weight</b> weigh, weighs, balances, heavy, light, heavier than, lighter than, heaviest, lightest scales.</p> <p><b>Capacity and volume</b> Full, empty, half full holds, container.</p> <p><b>Time</b> days of the week, Monday, Tuesday ...</p>	<p><b>Properties of shape</b> shape, pattern, flat, curved, straight, round, hollow, solid, sort, make, build, draw, size, bigger, larger, smaller, symmetrical pattern, repeating pattern, match.</p> <p><b>2-D shapes</b> corner, side, rectangle (including square), circle, triangle.</p> <p><b>3-D shapes</b> face, edge, vertex, vertices, cube, pyramid, sphere, cone.</p> <p><b>Position and direction</b> 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><b>Addition and subtraction</b> 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><b>Multiplication and division</b> Sharing, doubling, halving, number patterns.</p> <p><b>Fractions</b> 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><b>Money</b> 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>		
	<b>Number</b>	<b>Measurement</b>	<b>Geometry</b>	<b>Statistics</b>	<b>General</b>
<b>Year 1</b>	<p><b>Number</b> Numeral, zero, one, two, three ... twenty, teens numbers, eleven, twelve ... twenty twenty-one, twenty-two</p>	<p><b>Measures</b> Measurement, size, compare, guess, estimate, enough, not enough, too much, too little, too many, too few,</p>	<p><b>Properties of shape</b> 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><b>Place value</b> 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><b>Estimating</b> 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><b>Length</b> 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><b>Weight</b> kilogram, half kilogram weigh, weighs, balances heavy, light, heavier than, lighter than, heaviest, lightest, scales.</p> <p><b>Capacity and volume</b> litre, half litre, capacity, volume, full, empty, more than, less than, half full, quarter full, holds, container.</p> <p><b>Time</b> 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><b>2-D shapes</b> corner, side, point, pointed, rectangle (including square), circle, triangle.</p> <p><b>3-D shapes</b> face, edge, vertex, vertices, cube, cuboid, pyramid, sphere, cone, cylinder.</p> <p><b>Position and direction</b> 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><b>Addition and subtraction</b>  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><b>Multiplication and division</b>  Multiplication, multiply, multiplied by, multiple, division, dividing, grouping, sharing, doubling, halving, array, number patterns.</p> <p><b>Fractions</b>  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><b>Money</b>  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.				
	<b>Number</b>	<b>Measurement</b>	<b>Geometry</b>	<b>Statistics</b>	<b>General</b>
<b>Year 2</b>	<p><b>Number</b> 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 &gt; greater than &lt; less than</p> <p><b>Place value</b> 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><b>Measures</b> 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><b>Length</b> 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><b>Weight</b> kilogram, half kilogram, gram, weigh, weighs, balances, heavy, light, heavier than, lighter than, heaviest, lightest scales.</p> <p><b>Capacity and volume</b></p>	<p><b>Properties of shape</b> 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><b>2-D shapes</b> corner, side, point, pointed, rectangle (including square), rectangular, circle, circular, triangle, triangular, pentagon, hexagon, octagon.</p> <p><b>3-D shapes</b> face, edge, vertex, vertices, cube, cuboid, pyramid, sphere, cone, cylinder.</p> <p><b>Position and direction</b> 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><b>Estimating</b> guess how many ...? estimate, nearly, roughly close to, about the same as, just over, just under, exact, exactly</p> <p><b>Addition and subtraction</b> 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><b>Temperature</b> Degree</p> <p><b>Time</b> 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><b>Multiplication and division</b>  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><b>Fractions</b>  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><b>Money</b>  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><b>Number</b>            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><b>Measures</b>            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><b>Length</b>            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><b>Properties of shape</b>            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><b>2-D shapes</b>            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, &gt; greater than, &lt; less than, Roman numerals,</p> <p><b>Place value</b> 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><b>Estimating</b> 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><b>Weight</b> kilogram, half kilogram, gram, weigh, weighs, balances, heavy, light heavier than, lighter than, heaviest, lightest scales.</p> <p><b>Capacity and volume</b> litre, half litre, millilitre, capacity, volume, full, empty, more than, less than, half full, quarter full, holds, contains container.</p> <p><b>Temperature</b> temperature, degree, centigrade.</p> <p><b>Time</b> 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. <b>3-D shapes</b> face, edge, vertex, vertices, cube, cuboid, pyramid sphere, hemisphere, cone, cylinder, prism, triangular prism.</p> <p><b>Position and direction</b> 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><b>Multiplication and division</b> 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><b>Money</b> 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><b>Fractions</b>          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>			
	<b>Number</b>	<b>Measurement</b>	<b>Geometry</b>	<b>Statistics</b>	<b>General</b>
<b>Year 4</b>	<p><b>Number</b>          Numeral, zero, one, two, three ... twenty teens numbers, eleven,</p>	<p><b>Measure</b>          Measurement, size, compare, unit, standard unit, metric unit,</p>	<p><b>Properties of shape</b>          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 &gt; greater than, &lt; less than, Roman numerals, integer, positive, negative, above/below, zero, minus, negative, numbers.</p> <p><b>Place value</b> 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><b>Length</b> 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 (cm<sup>2</sup>), ruler, metre stick, tape measure.</p> <p><b>Weight</b> 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><b>2-D shapes</b> 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><b>3-D shapes</b> 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><b>Estimating</b> 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><b>Capacity and volume</b> litre, half litre, millilitre, capacity, volume, full empty, more than, less than, half, full, quarter full, holds, contains, container, measuring cylinder.</p> <p><b>Temperature</b> Degree, centigrade</p> <p><b>Time</b> 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><b>Position and direction</b> 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><b>Addition and subtraction</b>  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><b>Multiplication and division</b>  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><b>Money</b>  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><b>Fractions (including decimals)</b> 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><b>Number and place value</b>            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 &gt; greater than &lt; less than <math>\geq</math> greater than or equal to <math>\leq</math> less than or equal to, Roman numerals,</p>	<p><b>Measure</b>            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><b>Length</b>            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, (cm<sup>2</sup>), square metre, (m<sup>2</sup>), square millimetre, (mm<sup>2</sup>) ruler, metre stick, tape measure.</p>	<p><b>Properties of shape</b>            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><b>2-D shapes</b>            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><b>Place value</b> 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><b>Weight</b> 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><b>Capacity and volume</b> 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><b>Temperature</b> Degree, centigrade.</p> <p><b>Time</b> 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><b>3-D shapes</b> 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><b>Position and direction</b> 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><b>Estimating</b>  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><b>Addition and subtraction</b>  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><b>Money</b>  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><b>Multiplication and division</b> 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><b>Fractions (including decimals and percentages)</b> 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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	<p>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, %</p>				
	<b>Number</b>	<b>Measurement</b>	<b>Geometry</b>	<b>Statistics</b>	<b>General</b>
<b>Year 6</b>	<p><b>Number and place value</b>  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,</p>	<p><b>Measure</b>  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,</p>	<p><b>Properties of shape</b>  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,</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, pie chart, label, title, axis, axes, diagram, most popular,</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,</p>

	<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 &gt; greater than &lt; less than <math>\geq</math> greater than or equal to, <math>\leq</math> 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><b>Place value</b> 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><b>Length</b> 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 (cm<sup>2</sup>), square metre (m<sup>2</sup>), square millimetre (mm<sup>2</sup>), ruler, metre stick, tape measure.</p> <p><b>Weight</b> 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><b>2-D shapes</b> 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><b>3-D shapes</b></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><b>Estimating</b> 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><b>Capacity and volume</b> litre, half litre, millilitre, centilitre, cubic centimetres(cm<sup>3</sup>), cubic metres (m<sup>3</sup>), cubic millimetres (mm<sup>3</sup>), cubic kilometres (km<sup>3</sup>), capacity, volume, full, empty, more than, less than, half full, quarter full, holds, contains, container, measuring, cylinder pint, gallon.</p> <p><b>Temperature</b> Degree, centigrade.</p> <p><b>Time</b> 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><b>Position and direction</b> 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><b>Addition and subtraction</b>  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><b>Multiplication and division</b>  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><b>Money</b>  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><b>Fractions (including decimals, percentages, ratio and proportion)</b>  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><b>Algebra</b> formula, formulae, equation, unknown, variable.</p>				
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