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 ...?

	Number	Measurement	Geometry	Statistics	General
EYFS	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,	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. Length	Properties of shape shape, pattern, flat, curved, straight, round, hollow, solid, sort, make, build, draw, size, bigger, larger, smaller, symmetrical pattern, repeating pattern, match.	count, sort group, set list.	Pattern, puzzle, what could we try next? how did you work it out? Recognise, describe, draw, compare, sort.
	fives, tens, is the same as more, less odd, even, few, pattern, pair	metre length, height, width, depth long, short, tall high, low, wide, narrow, thick, thin	2-D shape s corner, side, rectangle (including square), circle, triangle.		
	Place value	longer, shorter, taller,	_		
	Ones, tens, digit, the same number as, as	higher and so on longest, shortest,	3-D shape s face, edge, vertex,		
	many as more, larger,	tallest, highest and	vertices, cube, pyramid,		
	bigger, greater fewer, smaller, less, fewest,	so on far, near, close.	sphere, cone.		
	smallest, least most,	Weight	Position and direction		
	biggest, largest,	weigh, weighs,	position over, under,		
	greatest, one more, ten	balances, heavy, light,	above, below, top,		
	more one less, ten less, compare, order, size,	heavier than, lighter than, heaviest, lightest	bottom, side on, in, outside, inside, around,		
	first, second, third	scales.	in front, behind front,		
	twentieth last, last but	564165.	back, beside, next to,		
	one before, after, next	Capacity and volume	opposite, apart,		
	between.	Full, empty, half full holds, container.	between, middle, edge, corner, direction, left,		
	Estimating	,	right, up, down,		
	guess how many?	Time	forwards, backwards,		
	Estimate, nearly, close	days of the week,	sideways, across, next,		
	to, about the same as,	Monday, Tuesday	to, close, near, far,		

EYFS & KS1 Mathematics Vocabulary

	just over, just under, too many, too few, enough, not enough. 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 Multiplication and division Sharing, doubling, halving, number patterns. Fractions parts of a whole, half, quarter.	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. Money Coin, penny, pence, pound, price, cost, buy, sell, spend, spent, pay.	along, through, to, from, towards, away, from, movement, slide, roll, turn, stretch, bend, whole turn, half turn.		
	Number	Measurement	Geometry	Statistics	General
Year 1	Number Numeral, zero, one, two, three twenty, teens numbers, eleven, twelve twenty	Measures Measurement, size, compare, guess, estimate, enough, not enough, too much, too	Properties of shape Shape, pattern, flat, curved, straight, round, hollow, solid, sort, make, build, draw, size,	count, sort, vote, group, set list, table.	Pattern, puzzle, problem, problem solving, mental, mentally, what could we try next? how did you

one hundred, none	nearly, close to, about	symmetry, symmetrical,	your thinking,
how many? count,	the same as, roughly,	symmetrical pattern,	recognise, describe,
count (up) to, count on	just over, just under.	pattern repeating,	draw, compare, sort,
(from, to), count back		pattern match.	reasoning.
(from, to), forwards,	Length		3
backwards, count in,	centimetre, metre,	2-D shapes	
ones, twos, fives, tens,	length, height, width,	corner, side, point,	
equal to, equivalent to,	depth, long, short, tall	pointed, rectangle	
is the same as, more,	high, low, wide, narrow,	(including square),	
less, most, least, many,	thick, thin, longer,	circle, triangle.	
odd, even, multiple of,	shorter, taller, higher	, 3	
few, pattern, pair.	and so on, longest,	3-D shapes	
	shortest, tallest, highest	face, edge, vertex,	
Place value	and so on, far, near,	vertices, cube, cuboid,	
Ones, tens, digit, the	close, ruler, metre stick.	pyramid, sphere, cone,	
same number as, as		cylinder.	
many as more, larger,	Weight		
bigger, greater, fewer,	kilogram, half kilogram	Position and direction	
smaller, less, fewest,	weigh, weighs,	Position, over, under,	
smallest, least, most,	balances heavy, light,	underneath, above,	
biggest, largest,	heavier than, lighter	below top, bottom, side	
greatest, one more, ten	than, heaviest, lightest,	on, in outside, inside,	
more, one less, ten	scales.	around, in front, behind	
less, equal to, one		front, back, beside, next	
more, ten more, one	Capacity and volume	to, opposite, apart,	
less, ten less, compare,	litre, half litre, capacity,	between, middle, edge,	
order, size, first,	volume, full, empty,	centre, corner,	
second, third	more than, less than,	direction, journey, left,	
twentieth, last, last but	half full, quarter full,	right, up, down	
one, before, after, next,	holds, container.	forwards, backwards,	
between, half-way,		sideways, across, next	
between, above, below.	Time	to, close, near, far	
	days of the week,	along, through to, from,	
Estimating	Monday, Tuesday	towards, away from,	
Guess, how many?	months of the year	movement, slide, roll,	
estimate, nearly,	(January, February),	turn, stretch, bend,	
roughly, close to, about	seasons: spring,	whole turn, half turn,	
the same as, just over,	summer, autumn, winter	quarter turn, three-	
just under, too many,	day, week, weekend,	quarter turn.	

too fe	w, enough, not	month, year, birthday,		
enoug		holiday, morning,		
Chody	J	afternoon, evening,		
۵ddit	ion and	night, bedtime, dinner		
	action	time, playtime today,		
	on, add, more,	yesterday, tomorrow,		
	nake, sum, total,	before, after, earlier,		
	ether, double,	later, next, first, last,		
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	half, halve, one	midnight, date, now,		
	two more ten	soon, early, late, quick,		
	how many more	quicker, quickest,		
	ke? how many	quickly, slow, slower,		
	is than? how	slowest, slowly, old,		
	more is?	older, oldest, new,		
	act, take away,	newer, newest, takes		
	nany are left/left	longer, takes less time,		
	how many have	how long ago? how		
	? one less, two,	long will it be to?		
	ten less how	how long will it take to		
	fewer is than	? how often? always,		
	ow much less is	never, often,		
	ifference between,	sometimes, usually,		
	s, is the same as,	once, twice, hour,		
	er bonds/pairs,	o'clock, half past,		
missir	ng number.	quarter past, quarter to		
		clock, clock face, watch,		
	plication and	hands, hour hand,		
divisi	-	minute hand, hours,		
	lication, multiply,	minutes.		
	blied by, multiple,			
	on, dividing,	Money		
	ing, sharing,	C oin, penny, pence,		
	ing, halving, array,	pound, price, cost, buy,		
numb	er patterns.	sell, spend, spent, pay		
		change, dear, costs		
Fract		more, cheap, costs		
	on, equal, part	less, cheaper, costs the		
equal	, grouping, equal	same as, how much?		
sharir	ng, parts of a	how many? Total.		

	whole, half, one of two equal parts, quarter, one of four equal parts.				
	Number	Measurement	Geometry	Statistics	General
Year 2	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), count back (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 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,	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. 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. Weight kilogram, half kilogram, gram, weigh, weighs, balances, heavy, light, heavier than, lighter than, heaviest, lightest scales. Capacity and volume	 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. 2-D shapes corner, side, point, pointed, rectangle (including square), rectangular, circle, circular, triangle, triangular, pentagon, hexagon, octagon. 3-D shapes face, edge, vertex, vertices, cube, cuboid, pyramid, sphere, cone, cylinder. Position and direction Position, over, under, underneath, above, below, top, bottom, side on, in outside, inside, around, in front, behind, 	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.

smaller, less, fewest,	litre, half litre, millilitre,	front, back, beside, next	
smallest, least, most,	capacity, volume, full,	to, opposite, apart,	
	empty, more than, less		
biggest, largest,		between, middle, edge,	
greatest one more, ten	than, half full, quarter	centre, corner,	
more, one less, ten	full, holds, contains,	direction, journey, route,	
less, equal to, compare,	container.	left, right, up, down,	
order, size, first,	_	higher, lower, forwards,	
second, third	Temperature	backwards, sideways,	
twentieth, twenty-first,	Degree	across, next to, close,	
twenty-second last,		near, far, along,	
last but one, before,	Time	through, to, from,	
after, next, between,	days of the week,	towards, away from,	
halfway between,	Monday, Tuesday	clockwise,	
above, below.	months of the year	anticlockwise,	
	(January, February)	movement, slide, roll,	
Estimating	seasons: spring,	turn, stretch, bend,	
guess how many?	summer, autumn,	whole turn, half turn,	
estimate, nearly,	winter, day, week,	quarter turn, three-	
roughly close to, about	weekend, fortnight,	quarter turn, right angle,	
the same as, just over,	month, year, birthday,	straight line.	
just under, exact,	holiday morning,		
exactly	afternoon, evening,		
	night, bedtime,		
Addition and	dinnertime, playtime,		
subtraction	today, yesterday,		
Addition, add, more,	tomorrow, before, after,		
and make, sum, total	earlier, later next, first,		
altogether, double,	last, midnight, date,		
near, double half, halve,	now, soon, early, late,		
one more, two more	quick, quicker, quickest,		
ten more one	quickly, slow, slower,		
hundred more, how	slowest, slowly, old,		
many more to make?	older, oldest, new,		
how many more is …	newer, newest, takes		
than? how much	longer, takes less time,		
more is?	how long ago? how		
Subtract, take away	long will it be to?		
how many are left/left	how long will it take to		
over? how many have	? how often? always,		

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gone? one less, two	never, often,		
less, ten less one	sometimes, usually		
hundred less, how	once, twice, hour,		
many fewer is … than	o'clock, half past,		
? how much less is	quarter past, quarter to		
? difference between,	5, 10, 15 … minutes		
equals, is the same as,	past, clock, clock face,		
number bonds	watch, hands,		
/pairs/facts tens	digital/analogue,		
boundary	clock/watch, timer, hour		
	hand, minute hand,		
Multiplication and	hours, minutes,		
division	seconds.		
Multiplication, multiply,			
multiplied by, multiple,	Money		
groups of times, once,	Coin, penny, pence,		
twice, three times ten	pound, price, cost, buy,		
times, repeated	bought, sell, sold,		
addition, division,	spend, spent, pay,		
dividing, divide, divided	change, dear, costs,		
by, divided into,	more cheap, costs,		
grouping, sharing,	less, cheaper, costs the		
share, share equally,	same as, how much?		
left, left over, one each,	how many? Total.		
two each, three each	now many me rotan		
ten each, group in pairs,			
threes tens equal			
groups of, doubling,			
halving, array, row,			
column, number			
patterns, multiplication			
table, multiplication fact,			
division fact			
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.		

KS2 Mathematics Vocabulary

	Number	Measurement	Geometry	Statistics	General
Year 3	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,	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 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,	 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. 2-D shapes corner, side, point, pointed, rectangle (including square), rectangular, circle, circular, triangle, triangular, pentagon, pentagonal, hexagon, hexagonal, octagon, octagonal, quadrilateral, 	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.	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.

in the second for the second sec	P. t		
continue predict, few,	distance apart	right-angled, parallel,	
pattern, pair, rule,	between to from	perpendicular.	
relationship, > greater	perimeter, ruler, metre	3-D shapes	
than, < less than,	stick, tape measure.	face, edge, vertex,	
Roman numerals,		vertices, cube, cuboid,	
	Weight	pyramid sphere,	
Place value	kilogram, half kilogram,	hemisphere, cone,	
ones tens, hundreds,	gram, weigh, weighs,	cylinder, prism,	
digit one-, two- or three-	balances, heavy, light	triangular prism.	
digit number place,	heavier than, lighter		
place value, stands for,	than, heaviest, lightest	Position and direction	
represents, exchange,	scales.	Position, over, under,	
the same number as, as		underneath, above,	
many as more, larger,	Capacity and volume	below, top, bottom, side	
bigger, greater, fewer,	litre, half litre, millilitre,	on, in, outside, inside,	
smaller, less, fewest,	capacity, volume, full,	around, in front, behind,	
smallest, least, most,	empty, more than, less	front, back, beside, next	
biggest, largest,	than, half full, quarter	to, opposite, apart,	
greatest, one more, ten	full, holds, contains	between, middle, edge,	
more, one hundred	container.	centre, corner, direction,	
more one less, ten less,		journey, route, left, right,	
one hundred less, equal	Temperature	up, down, higher, lower,	
to, compare, order,	temperature, degree,	forwards, backwards,	
size, first, second, third	centigrade.	sideways, across, next	
twentieth, twenty-	5	to, close, near, far,	
first, twenty-second	Time	along, through to, from,	
last, last but one,	Time, days of the week,	towards, away from,	
before, after next,	Monday, Tuesday	clockwise,	
between, halfway	months of the year	anticlockwise, compass	
between above, below.	(January, February)	point, north, south, east,	
	Seasons: spring,	west, N, S, E, W,	
Estimating	summer, autumn, winter	horizontal, vertical,	
guess how many?	day, week, weekend,	diagonal, movement,	
estimate, nearly,	fortnight, month, year,	slide, roll turn, stretch,	
roughly, close to,	century, birthday,	bend, whole turn, half	
approximate,	holiday, morning,	turn, quarter turn, three-	
approximately, about	afternoon, evening,	quarter turn angle is	
the same as, just over,	night, bedtime, dinner	a greater/smaller angle	
just under. exact,	time, playtime, today,	than right angle,	

		and analy she se	[]
exactly too many, too	yesterday, tomorrow,	acute angle, obtuse	
few enough, not enough	before, after, earlier,	angle, straight line.	
round, nearest, round to	later, next, first, last		
the nearest ten,	midnight, calendar,		
hundred round up,	date, now, soon, early,		
round down	late, earliest, latest,		
addition and subtraction	quick, quicker, quickest,		
addition add, more, and	quickly, slow, slower,		
make, sum, total	slowest, slowly, old,		
altogether double near	older, oldest, new,		
double half, halve one	newer, newest, takes		
more, two more ten	longer, takes less time,		
more one hundred	how long ago? how		
more how many more	long will it be to? how		
to make? how many	long will it take to?		
more is than? how	how often? always,		
much more is …?	never, often,		
subtract take away how	sometimes, usually		
many are left/left over?	once, twice, hour,		
how many have gone?	o'clock, half past,		
one less, two less, ten	quarter past, quarter to		
less one hundred	5, 10, 15 minutes		
less how many fewer is	past a.m., p.m. clock,		
than? how much	clock face, watch,		
less is …? Difference,	hands, digital/analogue		
between, equals is the	clock/watch, timer, hour		
same as, number	hand, minute hand,		
bonds/pairs/facts	hours, minutes,		
missing number, tens	seconds, Roman		
boundary, hundreds	numerals, 12-hour clock		
boundary	time, 24-hour clock		
	time.		
Multiplication and			
division multiplication,	Money		
multiply, multiplied by,	Money, coin penny,		
multiple, factor, groups	pence, pound, price,		
of, times, product once,	cost, buy, bought, sell,		
twice, three times ten	sold, spend, spent, pay,		
times, repeated	change, dear, costs		
times, repeated	onange, uear, cosis		

	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. 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	more, cheap, costs less, cheaper, costs the same as, how much? how many? Total.			
	Number	Measurement	Geometry	Statistics	General
Year 4	Number Numeral, zero, one, two, three twenty teens numbers, eleven,	Measure Measurement, size, compare, unit, standard unit, metric unit,	Properties of shape Shape, pattern, flat, line, curved, straight, round, hollow, solid,	Count, tally, sort, vote, survey, questionnaire, data, graph, block graph, pictogram,	Pattern, puzzle problem, problem solving, mental, mentally, what could we

twelve twen		sort, make, build,	represent, group, set,	try next? how did you
twenty-one, tw		construct, draw, sketch,	list, table, chart, bar	work it out? show how
one hundre		perimeter centre,	chart, frequency table,	you explain your
hundred on	5,	surface, angle, right-	Carroll diagram, Venn	thinking, explain your
thousand te		angled, base, square-	diagram, label, title,	method, describe the
thousand, hun		based, size, bigger,	axis, axes, diagram,	pattern, describe the
thousand, milli		larger, smaller,	most popular, most	rule, investigate,
how many?	count, approximately, roughly,	symmetry, symmetrical,	common, least popular,	recognise, describe,
count (up) to, o	count on just over, just under.	symmetrical pattern.	least common.	draw, compare, sort,
(from, to), cou		line symmetry. reflect,		greatest, value, least
(from, to), forw		reflection pattern,		value, mental
backwards, co		repeating pattern.		calculation, written
ones, twos, fiv		match regular, irregular.		calculation, statement
threes, fours, e				justify, make a
fifties, sixes, se		2-D shapes		statement, reasoning.
nines, twenty-f		2-D, two-dimensional,		
so on to hundr				
thousands, eq		pointed, rectangle		
equivalent to, i		(including square),		
same as, more	0	5		
most, least, ta		rectilinear circle,		
odd, even, mu		circular, triangle,		
factor of, sequ		triangular equilateral		
continue, pred		triangle, isosceles		
pattern, pair, r	•	triangle, scalene		
relationship,	perimeter, area, covers,	triangle, pentagon,		
next, consecut	•	pentagonal, hexagon,		
greater than, <	, , , , , , , , , , , , , , , , , , , ,			
than, Roman r		octagon, octagonal,		
integer, positiv		quadrilateral,		
negative, abov		parallelogram, rhombus,		
zero, minus, n				
numbers.	smaller, weight,	right-angled, parallel,		
	heavy/light,	perpendicular.		
Place value	heavier/lighter,			
Ones, tens, hu		3-D shapes		
digit one-, two		3-D, three-dimensional,		
digit number, p	5 5 5	face, edge, vertex,		
place value, st	ands for, balances, heavy, light,	vertices, cube, cuboid,		

annual and a such a such as a second as	heavierther Balter	numeral and the	
represents, exchange,	heavier than, lighter	pyramid, sphere,	
the same number as, as	than, heaviest, lightest,	hemisphere, spherical,	
many as, more, larger,	scales.	cone,	
bigger, greater, fewer,		cylinder, cylindrical	
smaller, less, fewest,	Capacity and volume	prism, triangular prism,	
smallest, least, most,	litre, half litre, millilitre,	tetrahedron,	
biggest, largest,	capacity, volume, full	polyhedron.	
greatest, one more, ten	empty, more than, less		
more, one hundred	than, half, full, quarter	Position and direction	
more, one thousand	full, holds, contains,	Position, over, under,	
more, one less, ten	container, measuring	underneath, above,	
less, one hundred less,	cylinder.	below top, bottom, side	
one thousand less,		on, in/outside, around,	
equal to, compare,	Temperature	in front, behind, front,	
order, size, first,	Degree, centigrade	back, beside, next to,	
second, third		opposite, apart,	
twentieth, twenty-first,	Time	between, middle, edge,	
twenty-second last,	Days of the week,	centre, corner, direction,	
last but one, before,	Monday, Tuesday	journey, route, left, right,	
after, next, between,	months of the year	up, down, higher, lower,	
halfway between,	(January, February),	forwards, backwards,	
above, below.	seasons, spring,	sideways, across, next	
	summer, autumn,	to, close, near, far,	
Estimating	winter, day, week,	along, through to, from,	
Guess, how many,	weekend, fortnight,	towards, away from,	
estimate, nearly,	month, year, leap year,	clockwise,	
roughly, close to,	century, millennium,	anticlockwise, compass	
approximate,	birthday, holiday,	point, north, south, east,	
approximately about the	morning, afternoon,	west, N, S, E, W north-	
same as, just over, just	evening, night, bedtime,	east, north-west, south-	
under, exact, exactly	dinner time, playtime,	east, south-west, NE,	
too many, too few,	today, yesterday,	NW, SE, SW,	
enough, not enough,	tomorrow, before, after,	horizontal, vertical,	
round, nearest, round to	earlier, later, next, first,	diagonal translate,	
the nearest ten,	last, noon, midnight,	translation, movement,	
hundred, thousand	calendar, date, date of	slide, roll, turn, stretch,	
round up, round down.	birth, now, soon, early,	bend, whole turn, half	
	late, earliest, latest,	turn, quarter turn,	
	quick, quicker, quickest,	three-quarter turn,	

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Addition and	quickly slow, slower,	rotate, rotation, angle, is	
subtraction	slowest, slowly old,	a greater/smaller angle	
Addition, add, more		than, degree, right	
and make, sum, tot	al newer, newest, takes	angle, acute angle,	
altogether, double,	near longer, takes less time,	obtuse, angle, reflection	
double, half, halve	one how long ago? how	straight line, ruler, set	
more, two more t		square, angle	
more one hundre		measurer, compass.	
more, how many m	5		
to make? how m			
more is than?			
much more is?	once, twice, hour,		
Subtract, take away			
how many are left/l	· · · ·		
over? how many ha			
gone? one less, two			
less, ten less on			
hundred less, how	hands digital/analogue		
many fewer is th			
? how much less is			
	, , , , , , , , , , , , , , , , , , , ,		
difference between			
equals, is the same			
number bonds/	arrive,, depart, Roman		
pairs/facts, missing			
number, tens boun			
hundreds boundary	r, clock time.		
inverse.			
	Money		
Multiplication and			
division	pound, price, cost, buy,		
Multiplication, multi			
multiplied by, multip			
factor groups of, tin			
product, once, twice	e, more, cheap, costs,		
three times ten	less, cheaper, costs, the		
times, repeated	same as, how much?		
addition, division	how many? Total.		
dividing, divide, div	5		
by, divided into left,			
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.		
cubeu.		
Freetiene (including		
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.		

	Number	Measurement	Geometry	Statistics	General
Year 5	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,	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. Length millimetre, centimetre, metre, kilometre, mile, length, height, width, depth, breadth, long, short, tall, high, low,	Geometry 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, symmetry, reflect, reflection, axis of symmetry, reflective symmetry, pattern, repeating pattern, match, regular, irregular.	Statistics 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.	General 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.
	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 ≥ greater than or equal to ≤ less than or equal to, Roman numerals,	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.	irregular. 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,		reasoning.

integer, positive,	Weight	parallelogram, rhombus,	
negative, above/below,	Mass, big, bigger, small,	trapezium, polygon,	
zero, minus, negative	smaller weigh,	right –angled, parallel,	
numbers, formula,	heavy/light,	perpendicular, x-axis, y-	
divisibility, square	heavier/lighter,	axis, quadrant.	
number, prime number,	heaviest/ lightest,		
ascending/descending,	kilogram, half kilogram,	3-D shapes	
order.	gram, weigh, weighs,		
order.		3-D, three-dimensional,	
	balances, heavy, light,	face, edge, vertex,	
	heavier than, lighter	vertices, cube, cuboid,	
Discourse	than, heaviest, lightest	pyramid, sphere,	
Place value	scales.	hemisphere, spherical,	
Ones, tens, hundreds,		cone, cylinder,	
digit one-, two- or three-	Capacity and volume	cylindrical prism,	
digit number, place,	litre, half litre, millilitre,	triangular prism,	
place value, stands for,	capacity, volume, full,	tetrahedron,	
represents, exchange,	empty, more/than less	polyhedron,	
the same number as, as	than, half, full, quarter	octahedron.	
many as more, larger,	full, holds, contains,		
bigger, greater, fewer,	container, measuring,	Position and direction	
smaller, less, fewest,	cylinder pint, gallon.	Position, over, under,	
smallest, least, most,		underneath, above,	
biggest, largest,	Temperature	below, top, bottom, side	
greatest, one more, ten	Degree, centigrade.	on, in/outside, around,	
more, one hundred		in front, behind, front,	
more, one thousand	Time	back, beside, next to,	
more, one less, ten	Days of the week,	opposite, apart,	
less, one hundred less,	Monday, Tuesday	between, middle, edge,	
one thousand less,	months of the year	centre, corner, direction,	
equal to, compare,	(January, February),	journey, route, left, right,	
order, size, first,	seasons, spring,	up, down, higher, lower,	
second, third	summer, autumn,	forwards, backwards,	
twentieth, twenty-first,	winter, day, week,	sideways, across, next	
twenty-second last,	weekend, fortnight,	to, close, near, far,	
last but one,	month, year, leap year,	along, through to, from,	
before, after, next,	century, millennium,	towards, away from,	
between, halfway	birthday, holiday,	clockwise,	
between, above, below.	morning, afternoon,	anticlockwise, compass	
	evening, night, bedtime,	point, north, south, east,	

Ectimating	dipportime playtime	Woot N. C. M. some	
Estimating	dinner time, playtime,	west, N, S, E, W north-	
guess how many?	today, yesterday,	east, north-west, south-	
estimate, nearly,	tomorrow, before, after,	east, south-west, NE,	
roughly, close to,	earlier, later, next, first,	NW, SE, SW,	
approximate,	last, noon, midnight,	horizontal, vertical,	
approximately, about	calendar, date, date of	diagonal, translate,	
the same as, just over,	birth, now, soon, early,	translation, coordinate,	
just under, exact,	late, earliest, latest,	movement, slide, roll,	
exactly, too many, too	quick, quicker, quickest,	turn, stretch, bend,	
few, enough, not	quickly, slow, slower,	whole turn, half turn,	
enough, round, nearest,	slowest, slowly old,	quarter turn, three-	
round to the nearest	older, oldest, new,	quarter turn, rotate,	
ten, hundred, thousand,	newer, newest, takes	rotation, angle, is a	
ten, thousand, round	longer, takes less time,	greater/smaller angle	
up, round down.	how long ago?	than, degree, right	
	how long will it be to?	angle, acute angle,	
Addition and	how long will it take to	obtuse angle, reflection,	
subtraction	? how often? always,	straight, line, ruler, set	
Addition, add, more,	never, often,	square, angle	
and make, sum, total,	sometimes, usually	measurer, compass,	
altogether, double, near	once, twice hour,	protractor.	
double, half, halve, one	o'clock, half past,	•	
more, two more ten	quarter past, quarter to		
more one hundred	5, 10, 15 minutes		
more how many more	past, a.m., p.m. clock,		
to make? how many	clock face, watch,		
more is than? how	hands, digital/analogue,		
much more is?	clock/watch, timer, hour		
Subtract, take away,	hand, minute hand,		
how many are left/left	hours, minutes,		
over?	seconds, timetable,		
how many have gone?	arrive, depart, Roman		
one less, two less, ten	numerals, 12-hour clock		
less one hundred	time, 24-hour clock		
less, how many fewer is	time.		
than? how much			
less is? difference	Money		
between, equals, is the	Coin, penny, pence,		
same as, number	pound, price, cost, buy,		
	pound, price, cost, buy,		

		1	1	
bonds/pairs/facts,	bought, sell, sold,			
missing number, te	ns spend, spent, pay,			
boundary, hundred	s change, dear, costs			
boundary, ones	more, cheap, costs less,			
boundary, tenths	cheaper, costs the			
boundary, inverse.	same as, how much?			
	how many? Total,			
Multiplication and				
division	discount, currency.			
Multiplication, multi	nly			
multiplied by, multi				
factor groups of, tir				
product, once, twic				
three times ten t	imes			
repeated addition,				
division, dividing, d				
divided by, divided	into,			
left, left over,				
remainder, groupin	g			
sharing, share, sha	re			
equally, one each,				
each, three each				
each, group in pair				
threes tens, equ				
groups of, doubling				
halving, array, row,				
column, number				
	tion			
patterns, multiplica				
table, multiplication	lact,			
division fact,				
Inverse, square,	.			
squared, cube, cub	ed.			
Fractions (includi	ng			
decimals and				
percentages)				
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, eighths, tenths hundredths, thousandths, decimal, 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 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,

L		an average of a loss secondo l		meet commercial sect	drow compose cent
		approximately, roughly	congruent intersecting,	most common, least	draw, compare, sort,
		just over, just under.	intersection, plane	popular, least common,	greatest value, least
	n, to), count back		base, square-based,	maximum/minimum,	value, mental
		Length	size, bigger, larger,	value, outcome, mean,	calculation, written
		centimetre, metre,	smaller, symmetry,	(mode, median, range)	calculation, statement,
		millimetre, kilometre,	symmetrical,	statistics, distribution.	justify, make a
		mile, yard, foot, feet,	symmetrical pattern,		statement, explain your
fifties	s, sixes, sevens,	inch, inches, length,	line, symmetry reflect,		reasoning.
nines	s, twenty-fives and	height, width, depth,	reflection, axis of		
so or	n to hundreds,	breadth, long, short, tall	symmetry, reflective		
thous	isands, equal to,	high, low, wide, narrow,	symmetry/pattern,		
		thick, thin, longer,	repeating pattern,		
		shorter, taller, higher	match, regular,		
		and so on, longest,	irregular.		
		shortest, tallest, highest	C C		
	or of, factor pair,	and so on, far,	2-D shapes		
		further, furthest, near,	2-D, two-dimensional,		
		close, distance apart	corner, side point,		
		between to from	pointed, rectangle		
	· · · ·	edge, perimeter,	(including square),		
		circumference area,	rectangular, oblong		
		covers, square	rectilinear circle,		
•		centimetre (cm2),	circular, triangle,		
		square metre (m2),	triangular, equilateral		
		square millimetre	triangle, isosceles		
3		(mm2), ruler, metre	triangle, scalene		
u		stick, tape measure.	triangle, pentagon,		
	bers, formula,	such, tape measure.	pentagonal, hexagon,		
		Weight	hexagonal, heptagon,		
		Mass, big, bigger, small,	octagon, octagonal,		
		smaller weight,	quadrilateral,		
	5	heavy/light,	parallelogram, rhombus,		
order		heavier/lighter,	trapezium, kite,		
		heaviest/ lightest, tonne,	polygon, right-angled,		
		kilogram, half kilogram,	parallel, perpendicular,		
		gram, pound, ounce,	x-axis, y-axis, quadrant.		
		weigh, weighs,			
		balances, heavy, light	3-D shapes		
place	e value, stands for,	heavier than, lighter			

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represents, exchange,	than, heaviest, lightest,	3-D, three-dimensional,	
the same number as, as	scales.	face, edge, vertex,	
many as more, larger,		vertices, cube, cuboid,	
bigger, greater, fewer,	Capacity and volume	pyramid, sphere,	
smaller, less, fewest,	litre, half litre, millilitre,	hemisphere, spherical,	
smallest, least, most,	centilitre, cubic	cone, cylinder,	
biggest, largest,	centimetres(cm3), cubic	cylindrical prism,	
greatest, one more, ten	metres (m3), cubic	triangular prism,	
more, one hundred	millimetres (mm3),	tetrahedron,	
more, one thousand	cubic kilometres (km3),	polyhedron,	
more, one less, ten	capacity, volume, full,	octahedron,	
less, one hundred less,	empty, more than, less	dodecahedron, net,	
one thousand less,	than, half full, quarter	open, closed.	
equal to, compare,	full, holds, contains,		
order, size, first,	container, measuring,	Position and direction	
second, third	cylinder pint, gallon.	Over, under,	
twentieth, twenty-first,	eyinaer pint, gaiern	underneath, above,	
twenty-second last,	Temperature	below, top, bottom, side	
last but one, before,	Degree, centigrade.	on, in/outside, around,	
after, next, between,	Degree, centigrade.	in front, behind, front,	
halfway between,	Time	back, beside, next to,	
above, below.	Days of the week,	opposite, apart,	
above, below.	Monday, Tuesday	between, middle, edge,	
Ectimoting			
Estimating	months of the year	centre, corner, direction,	
guess how many?	(January, February)	journey, route, left, right,	
estimate, nearly	seasons, spring,	up, down, higher, lower,	
roughly, close to,	summer, autumn,	forwards, backwards,	
approximate,	winter, day, week,	sideways, across, next	
approximately, about	weekend, fortnight,	to, close, near, far,	
the same as, just over,	month, year, leap year,	along, through to, from,	
just under, exact,	century, millennium,	towards, away from,	
exactly too many, too	birthday, holiday,	clockwise,	
few, enough, not	morning, afternoon,	anticlockwise, compass	
enough, round, nearest,	evening, night, bedtime,	point, north, south, east,	
round to the nearest	dinner time, playtime,	west, N, S, E, W north-	
ten, hundred, thousand,	today, yesterday,	east, north-west, south-	
ten thousand, round up,	tomorrow, before, after,	east, south-west, NE,	
round down.	earlier, later, next, first,	NW, SE, SW horizontal,	
	last, noon, midnight,	vertical, diagonal,	

I			the selection the selection		
	Addition and	calendar, date, date of	translate, translation,		
	subtraction	birth, now, soon, early,	coordinate, movement,		
	Addition, add, more,	late, earliest, latest,	slide, roll, turn, stretch,		
	make, sum, total,	quick, quicker, quickest,	bend, whole turn, half		
	altogether, double, near	quickly, slow, slower,	turn, quarter turn,		
	double, half, halve one	slowest, slowly, old,	three-quarter turn,		
	more, two more ten	older, oldest, new,	rotate, rotation, angle, is		
	more one hundred	newer, newest, takes	a greater/smaller angle		
	more, how many more	longer, takes less time,	than, degree, right		
	to make? how many	how long ago? how	angle, acute angle,		
	more is than? how	long will it be to? how	obtuse angle, reflex		
	much more is?	long will it take to?	angle, reflection,		
	Subtract, take away,	how often? always,	straight line, ruler, set		
	how many are left/left	never, often,	square, angle		
	over? how many have	sometimes, usually,	measurer, compass,		
	gone? one less, two	once, twice, hour,	protractor.		
	less, ten less one	o'clock, half past,	•		
	hundred less, how	quarter past, quarter to			
	many fewer is than	5, 10, 15 minutes			
	? how much less is	past, a.m., p.m. clock,			
	?	clock face, watch			
	Difference, between,	hands, digital/analogue			
	equals, is the same as,	clock/watch, timer, hour			
	number bonds	hand, minute hand			
	/pairs/facts missing	hours, minutes,			
	number, tens boundary,	seconds, timetable,			
	hundreds boundary,	arrive, depart, Roman			
	ones boundary, tenths	numerals, 12-hour clock			
	boundary, inverse.	time, 24-hour clock			
	···· , ···· ··· ···	time, Greenwich Mean			
	Multiplication and	Time, British Summer			
	division	Time, International			
	Multiplication, multiply,	Date, Line			
	multiplied by, multiple,	2, 2			
	factor groups of, times,	Money			
	product, once, twice,	Coin, penny, pence,			
	three times ten times	pound, price, cost, buy,			
	repeated addition,	bought, sell, sold,			
	division, dividing, divide,	spend, spent, pay,			
	amount, amounty, amoue,	sponu, spont, pay,		l	

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	divided by, divided into,	change, dear, costs		
	left, left over,	more, cheap, costs less,		
	remainder, grouping,	cheaper, costs the		
	sharing, share, share	same as, how much?		
	equally, one each, two	how many? Total,		
	each, three each ten	discount, currency,		
	each group in pairs,	profit, loss.		
	threes tens, equal	•		
	groups of doubling,			
	halving, array, row,			
	column, number			
	patterns, multiplication			
	table, multiplication fact,			
	division fact, inverse,			
	square, squared, cube,			
	cubed.			
	oubed.			
	Fractions (including			
	four equal parts, one			
	third, two thirds one of			
	three equal parts,			
	sixths, sevenths,			
	third, two thirds one of three equal parts,			

eighths, tenths hundredths, thousandths, decimal, decimal fraction, decimal point, decimal place, decimal equivalent, proportion, in every, for every, ratio percentage, per cent, %	
Algebra formula, formulae, equation, unknown, variable.	