



The Canon Peter Hall CE Primary School

Maths Vocabulary

This document sets out the recommended mathematical vocabulary under the new National Curriculum. The tables can be used to check pupils' understanding of new vocabulary introduced in EYFS and years 1 -6.

The lists are intended as a guide as to what pupils should know, and are not exhaustive. Of course, key terms may be introduced earlier as a challenge for our learners, although it is also important to ensure that learning is 'new' and carries an 'element of surprise'.

It is expected that key vocabulary is displayed on 'Maths Learning Walls' and the meaning of new vocabulary is explicitly taught and revisited within lessons and is promoted through mathematical talk during lessons.

New vocabulary introduced in each year is indicated by the use of a red font.

EYFS – NUMBER – Number and place value			
Number zero number one, two, three ... to twenty and beyond teens numbers, eleven, twelve ... twenty none how many ...? count, count (up) to, count on (from, to), count back (from, to)	count in ones, twos, fives, tens is the same as more, less odd, even few pattern pair	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
Place value ones tens digit the same number as, as many as more, larger, bigger, greater fewer, smaller, less fewest, smallest, least most, biggest, largest, greatest one more, ten more	one less, ten less compare order size first, second, third... twentieth last, last but one before, after next between	Multiplication and division sharing doubling halving number patterns	
Estimating guess how many ...? estimate nearly	close to about the same as just over, just under too many, too few enough, not enough	Fractions parts of a whole half quarter	

EYFS – MEASUREMENT			
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	Capacity and volume full empty half full holds container	
Length metre length, height, width, depth long, short, tall high, low wide, narrow thick, thin longer, shorter, taller, higher ... and so on longest, shortest, tallest, highest ... and so on far, near, close	Time time days of the week, Monday, Tuesday ... 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, hands calendar in a minute	
Weight weigh, weighs, balances heavy, light heavier than, lighter than heaviest, lightest scales	Money money coin penny, pence, pound price, cost buy, sell spend, spent pay		

EYFS - GEOMETRY		
2-D shape corner, side rectangle (including square) circle triangle	3-D shape face, edge, vertex, vertices cube pyramid sphere cone	
Properties of shape shape, pattern flat curved, straight round hollow, solid sort make, build, draw size bigger, larger, smaller symmetrical pattern, repeating pattern match small, sharp, pointy, arch triangular rectangular, circular	Position and direction position over, under above, below top, bottom, side on, in outside, inside around in front, behind front, back beside, next to opposite apart between middle, edge corner	direction left, right up, down forwards, backwards, sideways across next to, close, near, far along through to, from, towards, away from movement slide roll turn stretch, bend whole turn, half turn

EYFS - STATISTICS	EYFS - GENERAL
count, sort group, set list	pattern puzzle what could we try next? how did you work it out? recognise describe draw compare sort numeral, equal, number bond
EYFS – OTHER LANGUAGE + GESTURES	EYFS – mastering number
'I can see...' 'all at once...' altogether = large circle bunny ears wands = counting arm tag = touch count	subitise arranged recognise identifies whole parts quantity change same/different combining moving tagging 'stopping number' sets equal

Year 1 – NUMBER – Number and place value			
<p>Number number numeral zero one, two, three ... twenty teens numbers, eleven, twelve ... twenty twenty-one, twenty-two ... one hundred none how many ...? count, count (up) to, count on (from, to), count back (from, to) forwards backwards</p>	<p>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>Addition and subtraction addition add, more, and make, sum, total altogether double near double half, halve one more, two more ... ten 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 ... how many fewer is ... than ...? how much less is ...? difference between equals is the same as number bonds/pairs missing number</p>
<p>Place value ones tens digit the same number as, as many as more, larger, bigger, greater fewer, smaller, less fewest, smallest, least most, biggest, largest, greatest one more, ten more one less, ten less equal to</p>	<p>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>Multiplication and division multiplication multiply multiplied by multiple division dividing grouping sharing doubling halving array number patterns</p>	
<p>Estimating guess how many ...? estimate nearly roughly close to about the same as just over, just under too many, too few enough, not enough</p>	<p>Fractions fraction equal part equal grouping equal sharing parts of a whole half one of two equal parts quarter one of four equal parts</p>		

Year 1 – MEASUREMENT		
<p>measure measurement size compare 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>Capacity and volume litre, half litre capacity volume full empty more than less than half full quarter full holds container</p>	
<p>Length centimetre, metre length, height, width, depth long, short, tall high, low wide, narrow thick, thin longer, shorter, taller, higher ... and so on longest, shortest, tallest, highest ... and so on far, near, close ruler</p>	<p>Time time days of the week, Monday, Tuesday ... months of the year (January, February ...) seasons: spring, summer, autumn, winter day, week, weekend, month, year birthday, holiday</p>	<p>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?</p>

metre stick	morning, afternoon, evening, night bedtime, dinner time, playtime today, yesterday, tomorrow before, after earlier, later next, first, last midnight date now, soon, early, late	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
Weight kilogram, half kilogram weigh, weighs, balances heavy, light heavier than, lighter than heaviest, lightest scales	Money money coin penny, pence, pound price, cost buy, sell spend, spent pay	change dear, costs more cheap, costs less, cheaper costs the same as how much ...? how many ...? total

Year 1 – GEOMETRY		
2-D shape corner, side point, pointed rectangle (including square) circle triangle	3-D shape face, edge, vertex, vertices cube, cuboid pyramid sphere cone cylinder	
Properties of shape shape, pattern flat curved, straight round hollow, solid sort make, build, draw size bigger, larger, smaller symmetry, symmetrical, symmetrical pattern pattern, repeating pattern match	Position and direction position over, under, underneath above, below top, bottom, side on, in outside, inside around in front, behind front, back beside, next to opposite apart between middle, edge centre corner	direction journey left, right up, down forwards, backwards, sideways across next to, close, near, far along through to, from, towards, away from movement slide roll turn stretch, bend whole turn, half turn, quarter turn, three-quarter turn

Year 1 - STATISTICS count, sort, vote group, set list, table	Year 1 – GENERAL pattern puzzle problem, problem solving mental, mentally what could we try next? how did you work it out? explain your thinking recognise describe draw compare sort
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Year 2 – NUMBER – Number and place value			
<p>Number number numeral zero one, two, three ... twenty teens numbers, eleven, twelve ... twenty twenty-one, twenty-two ... one hundred, two hundred ... one thousand none how many ...? count, count (up) to, count on (from, to), count back (from, to) forwards backwards count in ones, twos, fives, tens, threes, fours and so on equal to equivalent to</p>	<p>is the same as more, less most, least tally many odd, even multiple of sequence continue predict few pattern pair, rule > greater than < less than</p>	<p>Place value ones tens, hundreds digit one-, two- or three-digit number place, place value stands for, represents exchange the same number as, as many as more, larger, bigger, greater fewer, smaller, less fewest, smallest, least most, biggest, largest, greatest one more, ten more</p>	<p>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>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 tens boundary</p>	<p>Multiplication and division multiplication multiply multiplied by multiple groups of times once, twice, three times ... ten times repeated addition division dividing, divide, divided by, divided into grouping</p>	<p>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>Estimating guess how many ...? estimate nearly roughly close to about the same as just over, just under exact, exactly too many, too few enough, not enough</p>	<p>Fractions fraction equivalent fraction mixed number numerator, denominator equal part equal grouping equal sharing parts of a whole half, two halves one of two equal parts quarter, two quarters, three quarters one of four equal parts one third, two thirds one of three equal parts</p>		

Year 2 – MEASUREMENT			
<p>measure measurement size compare measuring scale guess, estimate</p>	<p>enough, not enough too much, too little too many, too few nearly, close to, about the same as roughly just over, just under</p>	<p>Length centimetre, metre length, height, width, depth long, short, tall high, low wide, narrow</p>	<p>thick, thin longer, shorter, taller, higher ... and so on longest, shortest, tallest, highest ... and so on far, further, furthest, near, close ruler metre stick, tape measure</p>
<p>Weight kilogram, half kilogram, gram weigh, weighs, balances</p>	<p>Capacity and volume litre, half litre, millilitre capacity</p>		

heavy, light heavier than, lighter than heaviest, lightest scales		volume full empty more than less than half full quarter full holds, contains container
Time time days of the week, Monday, Tuesday ... months of the year (January, February ...) seasons: spring, summer, autumn, winter day, week, weekend, fortnight , month, year 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, 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	Temperature temperature degree
		Money money coin penny, pence, pound price, cost buy, bought , sell, sold spend, spent pay change dear, costs more cheap, costs less, cheaper costs the same as how much ...? how many ...? total

Year 2 - GEOMETRY			
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	Position and direction		
	position over, under, underneath above, below top, bottom, side on, in outside, inside around in front, behind front, back beside, next to opposite apart between middle, edge centre corner direction journey, route left, right	up, down higher, lower forwards, backwards, sideways across next to, close, near, far along through to, from, towards, away from clockwise, anticlockwise movement slide roll turn stretch, bend whole turn, half turn, quarter turn, three-quarter turn right angle straight line	
2-D shape corner, side point, pointed rectangle (including square), rectangular circle, circular	triangle, triangular pentagon hexagon octagon	3-D shape face, edge, vertex, vertices cube, cuboid pyramid	sphere cone cylinder

Year 2 - STATISTICS		Year – 2 GENERAL	
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?	describe the rule investigate recognise describe draw

		how did you work it out? show how you ... explain your thinking explain your method describe the pattern	compare sort mental calculation written calculation
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Year 3 – NUMBER – Number and place value			
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 continue predict few pattern pair, rule relationship > greater than < less than Roman numerals	Place value ones tens, hundreds digit one-, two- or three-digit number place, place value stands for, represents exchange the same number as, as many as more, larger, bigger, greater fewer, smaller, less fewest, smallest, least most, biggest, largest, greatest one more, ten more, one hundred more	one less, ten less, one hundred less equal to compare order size first, second, third ... twentieth twenty-first, twenty-second ... last, last but one before, after next between halfway between above, below
Estimating guess how many ...? estimate nearly roughly close to approximate, approximately about the same as just over, just under exact, exactly too many, too few enough, not enough round, nearest, round to the nearest ten, hundred round up, round down		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 ...	
Addition and subtraction addition add, more, and make, sum, total altogether double near double half, halve one more, two more ... ten more ... one hundred more how many more to make ...? how many more is ... than ...? how much more is ...? subtract	take away how many are left/left over? how many have gone? one less, two less, ten less ... one hundred less how many fewer is ... than ...? how much less is ...? difference between equals is the same as number bonds/pairs/facts missing number tens boundary, hundreds boundary	Multiplication and division multiplication multiply multiplied by multiple, factor groups of times product once, twice, three times ... ten times repeated addition division dividing, divide, divided by, divided into left, left over, remainder	grouping sharing, share, share equally one each, two each, three each ... ten each group in pairs, threes ... tens equal groups of doubling halving array row, column number patterns multiplication table multiplication fact, division fact

Year 3 – MEASUREMENT	
measure measurement size compare measuring scale, division guess, estimate enough, not enough	Length millimetre , centimetre, metre, kilometre, mile length, height, width, depth long, short, tall high, low wide, narrow thick, thin

<p>too much, too little too many, too few nearly, close to, about the same as, approximately roughly just over, just under</p>	<p>longer, shorter, taller, higher ... and so on longest, shortest, tallest, highest ... and so on far, further, furthest, near, close distance apart ... between ... to ... from perimeter ruler metre stick, tape measure</p>
<p>Time time days of the week, Monday, Tuesday ... months of the year (January, February ...) seasons: spring, summer, autumn, winter day, week, weekend, fortnight, month, year, century birthday, holiday morning, afternoon, evening, night bedtime, dinner time, playtime today, 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</p>	<p>new, newer, newest takes longer, takes less time how long ago? how long will it be to ...? how long will it take to ...? how often? always, never, often, sometimes usually once, twice hour, o'clock, half past, quarter past, quarter to 5, 10, 15 ... minutes past a.m., p.m. clock, clock face, watch, hands digital/analogue clock/watch, timer hour hand, minute hand hours, minutes, seconds Roman numerals 12-hour clock time, 24-hour clock time</p>
	<p>Money money coin penny, pence, pound price, cost buy, bought, sell, sold spend, spent pay change dear, costs more cheap, costs less, cheaper costs the same as how much ...? how many ...? total</p> <p>Temperature temperature degree centigrade</p>
<p>Weight kilogram, half kilogram, gram weigh, weighs, balances heavy, light heavier than, lighter than heaviest, lightest scales</p>	<p>Capacity and volume litre, half litre, millilitre capacity volume full empty more than less than half full quarter full holds, contains container</p>

Year 3 – GEOMETRY		
<p>Properties of shape shape, pattern flat curved, straight round hollow, solid sort make, build, draw perimeter surface size bigger, larger, smaller symmetry, symmetrical, symmetrical pattern line symmetry pattern, repeating pattern match</p>	<p>Position and direction position over, under, underneath above, below top, bottom, side on, in outside, inside around in front, behind front, back beside, next to opposite apart between middle, edge centre corner direction journey, route left, right up, down higher, lower</p>	<p>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>

			acute angle obtuse angle straight line
2-D shape corner, side point, pointed rectangle (including square), rectangular circle, circular triangle, triangular	pentagon, pentagonal hexagon, hexagonal octagon, octagonal quadrilateral right-angled parallel, perpendicular	3-D shape face, edge, vertex, vertices cube, cuboid pyramid	sphere, hemisphere cone cylinder prism, triangular prism

Year 3 - STATISTICS	Year 3 - GENERAL	
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

Year 4 – NUMBER – Number and place value			
Number and place value Number 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 how many ...? count, count (up) to, count on (from, to), count back (from, to) forwards backwards count in ones, twos, fives, tens, threes, fours, eights, fifties, sixes, sevens, nines, twenty-fives and so on to	hundreds, thousands equal to equivalent to is the same as more, less most, least tally many odd, even multiple of, factor of sequence continue predict few pattern pair, rule relationship next, consecutive > greater than < less than Roman numerals integer, positive, negative above/below zero, minus negative numbers	Place value ones tens, hundreds digit one-, two- or three-digit number place, place value stands for, represents exchange the same number as, as many as more, larger, bigger, greater fewer, smaller, less fewest, smallest, least most, biggest, largest, greatest one more, ten more, one hundred more, one thousand more	one less, ten less, one hundred less, one thousand less equal to compare order size first, second, third ... twentieth twenty-first, twenty-second ... last, last but on before, after next between halfway between above, below
Addition and subtraction addition add, more, and make, sum, total altogether double near double half, halve one more, two more... ten more... one hundred more how many more to make ...? how many more is ... than ...? how much more is ...? subtract	take away how many are left/left over? how many have gone? one less, two less, ten less ... one hundred less how many fewer is ... than ...? how much less is ...? difference between equals is the same as number bonds/pairs/facts missing number tens boundary, hundreds boundary inverse	Multiplication and division multiplication multiply multiplied by multiple, factor groups of times product once, twice, three times ... ten times repeated addition division dividing, divide, divided by, divided into left, left over, remainder grouping	sharing, share, share equally one each, two each, three each ... ten each group in pairs, threes ... tens equal groups of doubling halving array row, column number patterns multiplication table multiplication fact, division fact inverse square, squared cube, cubed
Estimating guess how many estimate nearly roughly close to approximate, approximately about the same as just over, just under exact, exactly too many, too few enough, not enough round, nearest, round to the nearest ten, hundred, thousand round up, round down	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	

Year 4 - MEASUREMENT			
measure measurement size compare	guess, estimate enough, not enough too much, too little too many, too few	Length millimetre, centimetre, metre, kilometre, mile	longest, shortest, tallest, highest ... and so on far, further, furthest, near, close

unit, standard unit metric unit measuring scale, division	nearly, close to, about the same as, approximately roughly just over, just under	length, height, width, depth, breadth long, short, tall high, low wide, narrow thick, thin longer, shorter, taller, higher ... and so on	distance apart ... between ... to ... from edge , perimeter area, covers square centimetre (cm²) ruler metre stick, tape measure
Weight mass: big, bigger, small, smaller weight: heavy/light, heavier/lighter, heaviest/lightest kilogram, half kilogram, gram weigh, weighs, balances heavy, light heavier than, lighter than heaviest, lightest scales	Capacity and volume litre, half litre, millilitre capacity volume full empty more than less than half full quarter full holds, contains container, measuring cylinder		
Temperature temperature degree centigrade	Time time days of the week, Monday, Tuesday ... months of the year (January, February ...) seasons: spring, summer, autumn, winter day, week, weekend, fortnight, month, year, 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, 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
Money money coin penny, pence, pound price, cost buy, bought, sell, sold spend, spent pay change dear, costs more cheap, costs less, cheaper costs the same as how much ...? how many ...? total			

Year 4 - GEOMETRY		
Properties of shape shape, pattern flat, line curved, straight round hollow, solid 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	Position and direction position over, under, underneath above, below top, bottom, side on, in outside, inside around in front, behind front, back beside, next to opposite apart between middle, edge centre corner direction journey, route left, right	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 rotate, rotation angle, is a greater/smaller angle than

regular, irregular	up, down higher, lower forwards, backwards, sideways across next to, close, near, far along through	degree right angle acute angle obtuse angle reflection straight line ruler, set square angle measurer, compass
2-D shape 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	3-D shape 3-D, three-dimensional face, edge, vertex, vertices cube, cuboid pyramid sphere, hemisphere, spherical cone cylinder, cylindrical prism, triangular prism tetrahedron, polyhedron

Year 4 – STATISTICS	Year 4 - GENERAL	
count, tally, sort, vote survey, questionnaire, data 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 justify make a statement

Year 5 – NUMBER – Number and place value			
<p>Number 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 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</p>	<p>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 integer, positive, negative above/below zero, minus negative numbers formula divisibility square number prime number ascending/descending order</p>	<p>Place value ones tens, hundreds digit one-, two- or three-digit number place, place value stands for, represents exchange the same number as, as many as more, larger, bigger, greater fewer, smaller, less fewest, smallest, least most, biggest, largest, greatest one more, ten more, one hundred more, one thousand more one less, ten less, one hundred less, one thousand less equal to compare order size first, second, third ... twentieth twenty-first, twenty-second ... last, last but one before, after next between halfway between above, below</p>	
<p>Addition and subtraction addition add, more, and make, sum, total altogether double near double half, halve one more, two more ... ten more ... one hundred more how many more to make ...? how many more is ... than ...? how much more is ...? subtract</p>	<p>take away how many are left/left over? how many have gone? one less, two less, ten less ... one hundred less how many fewer is ... than ...? how much less is ...? difference between equals is the same as number bonds/pairs/facts missing number tens boundary, hundreds boundary, ones boundary, tenths boundary inverse</p>	<p>Multiplication and division multiplication multiply multiplied by multiple, factor groups of times product once, twice, three times ... ten times repeated addition division dividing, divide, divided by, divided into left, left over, remainder grouping</p>	<p>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>Estimating guess how many ...? estimate nearly roughly close to approximate, approximately about the same as just over, just under exact, exactly too many, too few enough, not enough round, nearest, round to the nearest ten, hundred, thousand, ten thousand round up, round down</p>	<p>Fractions (including 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</p>	<p>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>	

Year 5 - MEASUREMENT		
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 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 ²), square metre (m²), square millimetre (mm²) ruler metre stick, tape measure
Weight mass: big, bigger, small, smaller weight: heavy/light, heavier/lighter, heaviest/lightest kilogram, half kilogram, gram weigh, weighs, balances heavy, light heavier than, lighter than heaviest, lightest scales	Capacity and volume litre, half litre, millilitre capacity volume full empty more than	less than half full quarter full holds, contains container, measuring cylinder pint, gallon
Temperature temperature degree centigrade	Time time days of the week, Monday, Tuesday ... months of the year (January, February ...) seasons: spring, summer, autumn, winter day, week, weekend, fortnight, month, year, 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, 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
Money money coin penny, pence, pound price, cost buy, bought, sell, sold spend, spent pay change dear, costs more cheap, costs less, cheaper costs the same as how much ...? how many ...? total discount currency		

Year 5 - GEOMETRY		
<p>Properties of shape shape, pattern flat, line curved, straight round hollow, solid sort make, build, construct, draw, sketch perimeter area 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>Position and direction position over, under, underneath above, below top, bottom, side on, in outside, inside around in front, behind front, back beside, next to opposite apart between middle, edge centre corner direction journey, route left, right up, down higher, lower 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</p>	<p>forwards, backwards, sideways across next to, close, near, far along through 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>
<p>2-D shape 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</p>	<p>hexagon, hexagonal heptagon octagon, octagonal quadrilateral parallelogram, rhombus, trapezium polygon right -angled parallel, perpendicular x-axis, y-axis, quadrant</p>	<p>3-D shape 3-D, three-dimensional face, edge, vertex, vertices cube, cuboid pyramid sphere, hemisphere, spherical cone cylinder, cylindrical prism, triangular prism tetrahedron, polyhedron octahedron</p>

Year 5 – STATISTICS	Year 5 - GENERAL	
<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</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</p>	<p>recognise describe draw compare sort greatest value, least value mental calculation written calculation statement justify make a statement explain your reasoning</p>

outcome		
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Year 6 – NUMBER – Number and place value			
<p>Number</p> <p>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 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</p>	<p>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 integer, positive, negative above/below zero, minus negative numbers formula divisibility square number prime number factorise prime factor ascending/descending order digit total</p>	<p>Place value</p> <p>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>Addition and subtraction</p> <p>addition add, more, and</p>	<p>take away how many are left/left over? how many have gone?</p>	<p>Multiplication and division</p> <p>multiplication multiply</p>	<p>sharing, share, share equally one each, two each, three each ... ten each</p>

<p>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</p>	<p>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>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</p>	<p>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>Estimating guess how many ...? estimate nearly roughly close to approximate, approximately</p>	<p>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>Fractions (including decimals, percentages, ratio and proportion) fraction, proper/improper fraction equivalent fraction mixed number numerator, denominator equivalent, reduced to, cancel equal part equal grouping equal sharing parts of a whole half, two halves</p>	<p>one of two equal parts quarter, two quarters, three quarters one of four equal parts one third, two thirds one of seven equal parts sixths, sevenths, eighths, tenths ... hundredths, thousandths decimal, decimal fraction, decimal point, decimal place, decimal equivalent proportion, in every, for every ratio percentage, per cent, %</p>
<p>Algebra formula, formulae equation unknown variable</p>			

<p>Year 6 - MEASUREMENT</p>		
<p>measurement size compare unit, standard unit metric unit, imperial unit measuring scale, division guess, estimate enough, not enough too much, too little too many, too few nearly, close to, about the same as, approximately roughly just over, just under</p>	<p>Length 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</p>	<p>longest, shortest, tallest, highest ... and so on far, further, furthest, near, close distance apart ... between ... to ... from edge, perimeter, circumference area, covers square centimetre (cm²), square metre (m²), square millimetre (mm²) ruler metre stick, tape measure</p>
<p>Weight mass: big, bigger, small, smaller weight: heavy/light, heavier/lighter, heaviest/lightest tonne, kilogram, half kilogram, gram, pound, ounce weigh, weighs, balances heavy, light heavier than, lighter than heaviest, lightest scales</p>	<p>Capacity and volume litre, half litre, millilitre, centilitre cubic centimetres(cm³), cubic metres (m³), cubic millimetres (mm³), cubic kilometres (km³) capacity volume full empty</p>	<p>more than less than half full quarter full holds, contains container, measuring cylinder pint, gallon</p>
<p>Temperature temperature degree centigrade</p>		
<p>Time time days of the week, Monday, Tuesday ...</p>	<p>takes longer, takes less time how long ago? how long will it be to ...? how long will it take to ...?</p>	<p>Money money coin penny, pence, pound</p>

<p>months of the year (January, February ...)</p> <p>seasons: spring, summer, autumn, winter</p> <p>day, week, weekend, fortnight, month, year, leap year, century, millennium</p> <p>birthday, holiday</p> <p>morning, afternoon, evening, night</p> <p>bedtime, dinner time, playtime</p> <p>today, yesterday, tomorrow</p> <p>before, after</p> <p>earlier, later</p> <p>next, first, last</p> <p>noon, midnight</p> <p>calendar, date, date of birth</p> <p>now, soon, early, late, earliest, latest</p> <p>quick, quicker, quickest, quickly</p> <p>slow, slower, slowest, slowly</p> <p>old, older, oldest</p> <p>new, newer, newest</p>	<p>how often?</p> <p>always, never, often, sometimes</p> <p>usually</p> <p>once, twice</p> <p>hour, o'clock, half past, quarter past, quarter to</p> <p>5, 10, 15 ... minutes past</p> <p>a.m., p.m.</p> <p>clock, clock face, watch, hands</p> <p>digital/analogue clock/watch, timer</p> <p>hour hand, minute hand</p> <p>hours, minutes, seconds</p> <p>timetable, arrive, depart</p> <p>Roman numerals</p> <p>12-hour clock time, 24-hour clock time</p> <p>Greenwich Mean Time, British Summer Time, International Date Line</p>	<p>price, cost</p> <p>buy, bought, sell, sold</p> <p>spend, spent</p> <p>pay</p> <p>change</p> <p>dear, costs more</p> <p>cheap, costs less, cheaper</p> <p>costs the same as</p> <p>how much ...?</p> <p>how many ...?</p> <p>total</p> <p>discount</p> <p>currency</p> <p>profit, loss</p>
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Year 6 - GEOMETRY			
<p>Properties of shape</p> <p>shape, pattern</p> <p>flat, line</p> <p>curved, straight</p> <p>round</p> <p>hollow, solid</p> <p>sort</p> <p>make, build, construct, draw, sketch</p> <p>perimeter</p> <p>centre, radius, diameter</p> <p>circumference, concentric, arc</p> <p>net, open, closed</p> <p>surface</p> <p>angle, right-angled</p>	<p>congruent</p> <p>intersecting, intersection</p> <p>plane</p> <p>base, square-based</p> <p>size</p> <p>bigger, larger, smaller</p> <p>symmetry, symmetrical, symmetrical pattern</p> <p>line symmetry</p> <p>reflect, reflection</p> <p>axis of symmetry, reflective symmetry</p> <p>pattern, repeating pattern</p> <p>match</p> <p>regular, irregular</p>	<p>Position and direction</p> <p>position</p> <p>over, under, underneath</p> <p>above, below</p> <p>top, bottom, side</p> <p>on, in</p> <p>outside, inside</p> <p>around</p> <p>in front, behind</p> <p>front, back</p> <p>beside, next to</p> <p>opposite</p> <p>apart</p> <p>between</p> <p>middle, edge</p> <p>centre</p> <p>corner</p> <p>direction</p> <p>journey, route</p> <p>left, right</p> <p>up, down</p> <p>higher, lower</p> <p>forwards, backwards, sideways</p> <p>across</p> <p>next to, close, near, far</p> <p>along</p> <p>through</p> <p>to, from, towards, away from</p> <p>clockwise, anticlockwise</p>	<p>compass point</p> <p>north, south, east, west, N, S, E, W</p> <p>north-east, north-west, south-east, south-west, NE, NW, SE, SW</p> <p>horizontal, vertical, diagonal</p> <p>translate, translation</p> <p>coordinate</p> <p>movement</p> <p>slide</p> <p>roll</p> <p>turn</p> <p>stretch, bend</p> <p>whole turn, half turn, quarter turn, three-quarter turn</p> <p>rotate, rotation</p> <p>angle, is a greater/smaller angle than</p> <p>degree</p> <p>right angle</p> <p>acute angle</p> <p>obtuse angle</p> <p>reflex angle</p> <p>reflection</p> <p>straight line</p> <p>ruler, set square</p> <p>angle measurer, compass, protractor</p>
<p>2-D shape</p> <p>2-D, two-dimensional</p> <p>corner, side</p> <p>point, pointed</p> <p>rectangle (including square), rectangular, oblong</p> <p>rectilinear</p> <p>circle, circular</p> <p>triangle, triangular</p> <p>equilateral triangle, isosceles triangle, scalene triangle</p> <p>pentagon, pentagonal</p>	<p>hexagon, hexagonal</p> <p>heptagon</p> <p>octagon, octagonal</p> <p>quadrilateral</p> <p>parallelogram, rhombus, trapezium, kite</p> <p>polygon</p> <p>right-angled</p> <p>parallel, perpendicular</p> <p>x-axis, y-axis, quadrant</p>	<p>3-D shape</p> <p>3-D, three-dimensional</p> <p>face, edge, vertex, vertices</p> <p>cube, cuboid</p> <p>pyramid</p> <p>sphere, hemisphere, spherical</p> <p>cone</p> <p>cylinder, cylindrical</p> <p>prism, triangular prism</p> <p>tetrahedron, polyhedron</p> <p>octahedron</p> <p>dodecahedron</p> <p>net, open, closed</p>	

Year 6 – STATISTICS		Year 6 – GENERAL	
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, most common least popular, least common maximum/minimum value outcome mean (mode, median, range as estimates for this) statistics, distribution	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