Horizon Academy Trust

Where anything is possible

EAST PARK PRIMARY SCHOOL

Respect, Grow, Believe, Achieve

Mathematical Vocabulary Progression Document

EYFS through to Year 6

The following document contains suggested vocabulary and phrases which are to be used during the teaching of the daily mathematics session.

The acquisition of, understanding of and the ability to use mathematical vocabulary is of vital importance in order to ensure that all of the pupils at East Park Primary School become confident and fluent mathematicians, with the ability to reason and problem solve.

It is also important that pupils should read and spell mathematical vocabulary correctly and confidently at their appropriate phonic stage, using their growing word reading knowledge and their knowledge of spelling.

In addition to important vocabulary – phrases which may be used when introducing concepts are included.

EYFS

Domain / Area of Learning		
Reasoning & Problem Solving	**Number and Numerical Patterns**	**Shape, Space & Measure**
Pattern, puzzle, What could we try next? How did you work it out? Can you explain how? Recognise, describe, draw, compare, sort	Subitise, how many? Zero, Number, None, number line One, two, three ….. to twenty and beyond, teens numbers, eleven, twelve……twenty 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, few Odd, even Pattern, pair 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, third……twentieth, last, last but one, before, after, next, between, Add, more, and, make, sum, total, altogether Double, guess, how many …? estimate, nearly, close to, about the same as just over, just under, too many, too few, enough, not enough, Sharing, doubling, halving,	**Shape, Space / Position and Direction** Circles, rectangles, triangles and cuboids) using informal and mathematical language: 'sides', 'corners', 'straight', 'flat', 'round'. 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 **Measure** 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, height, width, depth Long, short, tall, high, low, wide, narrow, thick, thin, longer, shorter, taller, higher, longest,, shortest, tallest, highest Far, near, close, Weigh, weighs,, balances heavy, light, heavier than, lighter than, heaviest, lightest, scales, Full, empty, half full, holds, container, Time, days of the week, 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,

Year 1

Domain / Area of Learning			
Reasoning & Problem Solving / Representations	**Place value**	**Addition and subtraction and problem solving using +/-**	**Multiplication and division and problem solving**
put together add altogether total take away distance between, difference between more than, less than puzzle answer right, wrong what could we try next? how did you work it out? count out, share out, left, left over number sentence sign, operation Concrete , pictorial , abstract. Sentence stem, before, then, now, Place value grid,	number zero, one, two, three… to twenty and beyond zero, ten, twenty… one hundred none how many…? count, count (up) to count on (from, to) count back (from, to) count in ones, twos… tens… more, less, many, few odd, even every other how many times? pair its, ones tens exchange digit 'teens' number the same number as, as many as equal to ***Of two objects/amounts:*** greater, more, larger, bigger less, fewer, smaller ***Of three or more objects/amounts:***	**Addition** +, add, more, plus make, sum, total altogether, =, equals score double, near double one more, two more… ten more… how many more to make…? how many more is… than…? how much more is…? -, subtract, take (away) **Subtraction** minus, leave how many are left/ how many have gone? one less, two less, ten less… how many fewer is… than…? how much less is…? difference between half, halve number bonds **Estimating** guess how many estimate	put together add altogether total more than, less than puzzle answer right, wrong what could we try next? how did you work it out? count out, share out, left, left over number sentence sign, operation lots of groups of

	greatest, most, biggest, largest least, fewest, smallest one more, ten more one less, ten less **compare** order size first, second, third… tenth, eleventh… twentieth last, last but one before, after next between, half-way between	nearly, roughly, close to about the same as just over, just under too many, too few, enough, not enough	

Year 1

Domain / Area of Learning			
Fractions and problem solving with fractions	**Measurement (including money)**	**Geometry Properties of shapes**	**Geometry Position and direction**
half, ½ quarter, ¼ half a length, quantity, set of objects, shape two equal parts four equal parts whole	measure size compare guess, estimate enough, not enough too much, too little, too many, too few nearly, roughly close to, about the same as just over, just under full half full empty	pattern sequence repeating match size ***2D Shapes*** circle triangle square rectangle star corner	**Position** over, under, underneath above, below top, middle, bottom, side on, in outside, inside, around in front, behind, front, back before, after beside, next to, opposite, apart between, middle, edge, centre, corner direction, journey left, right up, down

	holds container Shape, pattern Flat Curved, straight Round Hollow, solid ***Time*** days of the week: Monday, Tuesday… seasons: spring, summer, autumn, winter day, week, month, year weekend, birthday, holiday, morning, afternoon, evening night, midnight, bedtime, dinnertime, playtime today, yesterday, tomorrow before, after, next, last now, soon, early, late quick, quicker, quickest, quickly fast, faster, fastest slow, slower, slowest, slowly old, older, oldest new, newer, newest takes longer, takes less time hours, minutes, seconds o'clock, half past clock, watch, hands how long ago? how long will it be to…? how long will it take to…? how often?	point, pointed face, side, edge, end sort make, build, draw ***3D Shapes*** cube cuboid pyramid sphere cone cylinder roll	forwards, backwards, sideways across close, far, near along through to, from, towards, away from ***Movement*** slide roll turn, whole turn, half turn, quarter turn, three quarter turn stretch, bend clockwise

	always, never, often, sometimes, usually ***Length*** Length, width, height, depth Long, short, tall High, low Wide, narrow Deep, shallow Thick, thin Longer, shorter, taller, higher Longest, shortest ***Mass*** Weigh, weighs, balances Heavy/light, heavier/lighter, heaviest/lightest Balance, scales, weight **Money** coin note amount penny/p pound/£ coin values: one pence, two pence, five pence ten pence twenty pence and fifty pence		

Year 2

Domain / Area of Learning			
Reasoning & Problem Solving / Representations	**Place value**	**Addition and subtraction and problem solving using +/-**	**Multiplication and division and problem solving**
Pattern, puzzle Calculate, calculation Mental calculation Jotting Answer Right, correct, wrong What could we try next? How did you work it out? Number sentence Sign, operation, symbol Concrete , pictorial , abstract. Sentence stem, before, then, now, Place value grid,	zero, one, two, three… to twenty and beyond zero, ten, twenty… one hundred rounding how many…? count, count (up) to count on (from, to) count back (from, to) count in ones, twos, threes, fours, fives count in tens more, less, many, few odd, even every other The same number as, as many as partition place holder Multiple of Sequence Continue Predict Pattern, pair, rule ones tens, hundred Digit, partition, part whole One-, two- or three-digit number 'teens' number Place, place value, place holder	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 Round, nearest, round to the nearest ten +, add, addition, more, plus Make, sum, total Altogether Score Double, near double One more, two more….. ten more…… one hundred more How many more to make? How many more is … than …. ? How much more is …..? -, subtract, subtraction, take (away), minus Leave, how many are left / left over? One less, two less…… ten less…….. One hundred less How many fewer is …. Than ……? How much less is …….?	Lots of, groups of Multiplication / division facts X, times, multiply, multiplied by Multiple of Once. Twice, three times …….. ten times ….. Times as (big, long, wide….. and so on) Repeated addition Array Row, column Double, halve Share, share equally One each, two each, three each ….. Group in pairs, threes ……. Tens Equal groups of ÷, divide, divided by, divided into Left, left over **inverse**

	represents Exchange ***Of two objects/amounts:*** >, Greater, more, larger, bigger, <, less, fewer, smaller ***Of three of more objects/amounts:*** Greatest, most, biggest, largest Least, fewest, smallest One more, ten more One less, ten less Compare Order Size First, second, third……tenth……twentieth Twenty-first, twenty-second…… Last, last but one Before, after Next Between, half-way between Above, below	Difference between Half, halve =, equals, sign, is the same as Tens boundary inverse	

Domain / Area of Learning			
Fractions and problem solving with fractions	**Measurement (including money)**	**Geometry Properties of shapes**	**Geometry Position and direction**
Part, equal parts Fraction Numerator Denominator	**Length** Length, width, height, depth Long, short, tall, high, low	Shape, pattern, flat, curved, straight Round, hollow, solid Corner, point, pointed Face, side, edge, end, vertices	Position Direction Over, under, underneath Above, below

Fraction bar One whole One half, two halves One quarter, two…. Three……four quarter One third half, ½ quarter, ¼ half a length, quantity, set of objects, shape two equal parts four equal parts whole Unit fraction Non-unit fraction	Wide, narrow, deep, shallow, thick, thin Longer, shorter, taller, higher….. and so Longest, shortest, tallest, highest Far, further, furthest, near, close, Metre (m), centimetre (cm) Ruler, metre stick, tape measure Half as high, twice as wide, degrees, temperature. **Mass** Weigh, weighs, balances Heavy/light, heavier/lighter, heaviest/lightest Kilogram (kg), half-kilogram, gram, (g) Balance, scales, weight, scales **Capacity** Full, half full, empty, holds, contains Litre (l), half-litre, millilitre (ml) Container, volume. **Money** Coin, penny, pence (p), pound (£) Price, cost, bought, sell, sold spend, spent, pay, change How much….? How many? Total **Time** Days of the week: Monday, Tuesday Months of the year: January, February, Seasons: spring, summer, autumn, winter Day, week, fortnight, month, year	Sort, make, build, draw, surface Quadrilateral, polygon, Size, bigger, larger, smaller Symmetrical, line of symmetry Fold, match, mirror line, reflection Pattern, repeating pattern **2D Shapes** Circle, circular Triangle, triangular Square Rectangle, rectangular Pentagon Hexagon Octagon **3D Shapes** Cube Cuboid Pyramid Sphere Cone Cylinder Prism	Top, bottom, side On, in Outside, inside Around In front, behind Higher, lower Forwards, backwards, sideways Across Close, far, near Along Through To, from, towards, away from Clockwise, anti-clockwise Movement Straight, curved, rotate, rotation, a ngle right angle

	Weekend, birthday, holiday, morning, afternoon, evening, night, midnight bedtime, dinnertime, playtime today, yesterday, tomorrow, before, after Next, last now, soon, early, late Quick, quicker, quickest, quickly Fast, faster, 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…..? Hour, minute, second O'clock, half past, quarter to, quarter past, lock, watch, hands Digital/analogue clock/watch, timer How often? Always, never, often, sometimes, usually Once, twice		

Domain / Area of Learning
Statistics
Count, tally, sort vote, graph, block graph, pictogram, represent ,group, set, same, different, list, table, label, title, most popular, most common, least popular, least common Totalling and total.

Year 3

Domain / Area of Learning			
Reasoning & Problem Solving / Representations	**Place value**	**Addition and subtraction and problem solving using +/-**	**Multiplication and division and problem solving**
Pattern, puzzle Calculate, calculation Mental calculation Method Jotting Answer Right, correct, wrong What could we try next? How did you work it out? Number sentence Sign, operation, symbol, equation Continue Predict Pattern, pair, rule Relationship Bar model Part whole model Concrete , pictorial , abstract. Sentence stem, before, then, now, Place value grid,	zero, ones tens, hundreds, two hundred, One thousand Digit One-, two- or three-digit number 'teens' number Place, place value Stands for, represents Exchange The same number as, as many as Equal to how many…? count, count (up) to count on (from, to) count back (from, to) count in ones, twos, threes, fours, fives…….. count in tens, hundreds count in multiples of 4, 8, 50, 100 more, less, many, few tally odd, even every other	+, add, addition, more, plus Make, sum, total Altogether Score Double, near double One more, two more….. ten more…… one hundred more How many more to make? How many more is … than …. ? How much more is …..? Three-digit number and ones, tens, hundreds -, subtract, subtraction, take (away), minus Leave, how many are left / left over? One less, two less…… ten less…….. One hundred less How many fewer is …. Than ……? How much less is …….? Difference between Half, halve =, equals, sign, is the same as Tens boundary, hundreds boundary Columnar addition, subtraction	Lots of, groups of X, times, multiply, multiplication, multiplied by Multiple of, product Once, Twice, three times …….. ten times ….. Times as (big, long, wide….. and so on) Repeated addition Array Row, column Double, halve Share, share equally One each, two each, three each ….. Group in pairs, threes ……. Tens Equal groups of ÷, divide, division, divided by, divided into Left, left over, remainder Positive integer scaling problems Inverse

	how many times? Multiple of Sequence Continue Predict Pattern, pair, rule ***Of two objects/amounts:*** >, Greater, more, larger, bigger, <, less, fewer, smaller ***Of three of more objects/amounts:*** Greatest, most, biggest, largest Least, fewest, smallest One more, ten more, one hundred more One less, ten less, one hundred less Compare Order Size First, second, third.....tenth.....twentieth Twenty-first, twenty-second..... Last, last but one Before, after Next Between, half-way between Above, below	**Estimation** 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 (up or down) nearest, round to the nearest ten	

Domain / Area of Learning			
Fractions and problem solving with fractions	**Measurement**	**Geometry Properties of shapes**	**Geometry Position and direction**

Part, equal parts Fraction, unit / non unit fraction Numerator / denominator / fraction bar One whole One half, two halves One quarter, two…. Three……four quarter One third, two thirds, three thirds One tenth Unit, non-unit fractions Denominator /numerator Number line Equivalent / same as / equal to	**Length** Length, width, height, depth Long, short, tall, high, low Wide, narrow, deep, shallow, thick, thin Longer, shorter, taller, higher Longest, shortest, tallest, highest Far, further, furthest, near, close, Distance apart/between, distance to……/from…… Kilometre (km),Metre (m), centimetre (cm) millimetre (mm), mile Ruler, metre stick, tape measure Perimeter, area **Capacity** Capacity, volume Full, half full Empty Holds, contains Litre (l), half-litre, millilitre (ml) container **Mass** Weigh, weighs, balances Heavy / light, heavier / lighter, heaviest / lightest Kilogram (kg), half kilogram (g) Balance, scales, weight **Time** Time Days of the week: Monday, Tuesday……. Months of the year: January, February, March……	Shape, pattern Flat, curved, straight Round Hollow, solid Corner Point, pointed Face, side, edge, end Sort Make, build, draw Surface Right-angled Vertex, vertices Layer, diagram Perimeter Turn Perpendicular, parallel Acute, obtuse Polygon, polyhedra Size Bigger, larger, smaller Symmetrical Line of symmetry Fold orientation degree(s) right angle, acute, obtuse ***2D Shapes*** Circle, circular, semi - circle Triangle, triangular Square Rectangle, rectangular Star Pentagon, pentagonal Hexagon, hexagonal Octagon, octagonal Match	**Position** Over, under, underneath Above, below Top, bottom, side On, in Outside, inside Around In front, behind Front, back Before, after Beside, next to Opposite Apart **Direction** Journey, route, map, plan Left, right Ascend, descend Grid Row, column Clockwise, anti-clockwise Compass point North, south, east, west (N, S, E, W) Horizontal, vertical diagonal Movement Slide Roll Whole turn, half turn, quarter turn Angle, ….is a greater / smaller angel than Right angle Straight line Stretch, bend

	Seasons: spring, summer, autumn, winter Day, week, fortnight, month, year, leap year Weekend, birthday, holiday Calendar, date Morning, afternoon, evening, night, noon, midnight Am, pm Bedtime, dinnertime, playtime Today, yesterday, tomorrow Before, after Next, last Now, soon, early, late, earliest, latest Quick, quicker, quickest, quickly Fast, faster, fastest 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…..? Hour, minute, second O'clock, half past, quarter to, quarter past Clock, watch, hands Digital/analogue clock/watch, timer How often? Always, never, often, sometimes, usually Once, twice	Mirror line, reflection Pattern, repeating pattern ***3D Shapes*** Cube Cuboid Pyramid Sphere, hemi - sphere Cone Cylinder Prism	

Domain / Area of Learning
Statistics
Count, tally, sort, vote Graph, block graph, pictogram Represent Group set List, chart, bar chart Table. Frequency table Carroll diagram, venn diagram Label, title, axis, axes Diagram Most popular, most common Least popular, least common How many more……? How many fewer ……?

Year 4

Domain / Area of Learning			
Reasoning & Problem Solving / Representations	**Place value**	**Addition and subtraction and problem solving using +/-**	**Multiplication and division and problem solving**
Pattern, puzzle Calculate, calculation Mental calculation Method Jotting Answer Right, correct, wrong What could we try next? How did you work it out? Number sentence Sign, operation, symbol, equation Systematic working rule, pattern, logic problem Concrete , pictorial , abstract. Sentence stem, before, then, now, Place value grid,	Number, count, how many…..? Odd, even, Every other, How many times? Count in multiples of 6,7,9,25 and 1000, multiple of, Digit, next, consecutive Sequence, Continue, Predict, Pattern, pair, rule, Relationship Ones,tens, hundreds, thousands Ten thousand, hundred thousand, million Digit, one-, two-, three- or four – digit number, numeral 'teens' number Place, place value, stands for, represents, exchange The same number as, as many as	**Addition** Add, addition, more, plus, increase Sum, total, altogether Score Double, near double How many more to make? Half, halve How many more / fewer is….. than….? How much more / less is…….? Equals, sign, is the same as Tens boundary, hundreds boundary Inverse Columnar addition, **Subtraction** Subtract, subtraction, take (away), minus, decrease	Lots of, groups of Times, multiply, multiplication, multiplied by Multiple of, product Once, Twice, three times …….. ten times ….. Times as (big, long, wide….. and so on) Repeated addition Array Row, column Double, halve Share, share equally One each, two each, three each ….. Group in pairs, threes ……. Tens Equal groups of

	Equal to Roman numerals to 100 (I to C) ***Of two objects / amounts:*** >, greater than, more than, larger than, bigger than <, less than, fewer than, smaller than ***Of three or more objects / amounts:*** Greatest, most, largest, biggest Least, fewest, smallest One…. Ten….. one hundred…….. one thousand more / less Compare, order, size First…… tenth….. twentieth Last, last but one Before, after Next Between, half-way between Guess how many, estimate Nearly, roughly, close to, about the same as Approximate, approximately Just over, just under Exact, exactly Too many, too few, enough, not enough Round (up or down), nearest Round to the nearest ten Round to the nearest hundred Round to the nearest thousand Integer, positive, negative Above / below zero, minus	Leave, how many are left / left over? Difference between How much less/fewer is? Columnar subtraction	Divide, division, divided by, divided into Remainder Factor, quotient, divisible by Inverse Inter scaling problems

Domain / Area of Learning			
Fractions and problem solving with fractions	**Measurement (including money)**	**Geometry Properties of shapes**	**Geometry Position and direction**
part, equal parts fraction, equivalent fraction non-unit fraction one whole half, quarter, eighth third, sixth fifth, tenth, twentieth ones, tenths, hundredths proportion, in every, for every decimal, decimal fraction, decimal equivalent decimal point, decimal place denominator numerator **equivalent, order**	Measure, measurements 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, roughly, about, close to About the same as, approximately Just over, just under Rectilinear **Length** Length, width, height, depth, breadth Long, short, tall, high, low Wide, narrow, deep, shallow, thick, thin Longer, shorter, taller, higher..... and so on Longest, shortest, tallest, highest .... Far, further, furthest, near, close, Distance apart/between, distance to...../from..... Edge, perimeter	Shape, pattern Flat, line curved, straight Round Hollow, solid Corner Point, pointed Face, side, edge, end Sort Make, build, draw, sketch net Surface angle, Right-angled Base, square based Vertex, vertices Layer, diagram Regular, irregular Concave, convex Open, closed Geometric shape Acute, obtuse Regular/irregular polygon Size Bigger, larger, smaller Symmetrical Line of symmetry, Line symmetry Fold Match	Over, under, underneath Above, below, top, bottom, side On, in, outside, inside, around In front, behind, front, back Before, after, beside, next to Opposite, apart Between, middle, edge, centre Corner Direction Journey, route, map, plan Left, right Up, down, higher, lower Forwards, backwards, sideways, across Close, far, near Along, through, to, from, towards, away from Ascend, descend Grid Row, column Origin, coordinates Clockwise, anti-clockwise Compass point, north, south, east, west (N, S, E, W) North-east, north-west, south-east, south-west (NE, NW, SE,SW) Horizontal, vertical, diagonal Movement

	Kilometre (km),Metre (m), centimetre (cm), millimetre (mm), mile Ruler, metre stick, tape measure **Area** Area, covers, surface Square centimetre (cm^2) Perimeter **Capacity** Full, half full Empty holds, contains Litre (l), half-litre, millilitre (ml) pint container, measuring cylinder **Time** Days of the week: Monday, Tuesday……. Months of the year: January, February, March…….. Seasons: spring, summer, autumn, winter Day, week, fortnight, month, year, leap year, century, millennium Weekend, birthday, holiday Calendar, date, date of birth Morning, afternoon, evening, night Am, pm, noon, midnight Today, yesterday, tomorrow Before, after, Next, last Now, soon, early, late, earliest, latest Quick, quicker, quickest, quickly Fast, faster, fastest, Slow, slower, slowest, slowly	Mirror line, reflection, reflect Pattern, repeating pattern, ***2D Shapes*** 2D, two-dimensional Circle, circular, semi - circle Triangle, triangular Equilateral triangle, isosceles triangle, scalene Square Rectangle, rectangular, oblong Pentagon, pentagonal Hexagon, hexagonal heptagon Octagon, octagonal Quadrilateral Parallelogram, rhombus, trapezium ***3D Shapes*** 3D, three-dimensional Cube Cuboid Pyramid Sphere, hemi – sphere, spherical Cone Cylinder, cylindrical Prism Tetrahedron, polyhedron	Slide, roll Whole turn, half turn, quarter turn, rotate Angle, ….is a greater / smaller angel than Right angle Degree Straight line Stretch, bend Ruler, set square Angle measurer, compasses Quadrant

	Old, older, oldest, New How long will it take to…..? Timetable, arrive, depart Hour, minute, second O'clock, half past, quarter to, quarter past Clock, watch, hands Digital/analogue clock/watch, timer How often?		

Domain / Area of Learning
Statistics
Count, tally, sort, vote, survey, questionnaire, data, graph, block graph, pictogram, line graph, represent, group set List, chart, bar chart, tally chart, table, Frequency table Carroll diagram, venn diagram Label, title, axis, axes Diagram Most popular, most common Least popular, least common Solve, comparison, sum

Year 5

Domain / Area of Learning			
Reasoning & Problem Solving / Representations	**Place value**	**Addition and subtraction and problem solving using +/-**	**Multiplication and division and problem solving**
Pattern, puzzle Calculate, calculation Mental calculation Method Jotting Answer Right, correct, wrong What could we try next? How did you work it out? Number sentence	Odd, even Every other How many times? Multiple of Digit Next, consecutive Sequence, linear number sequence Continue Predict Pattern, pair, rule	**Addition** Add, addition, more, plus, increase Sum, total, altogether Score Double, near double How many more to make? Half, halve How many more / fewer is….. than….? How much more / less is…….? Equals, sign, is the same as	Lots of, groups of Times, multiply, multiplication, multiplied by Multiple of, product Once, Twice, three times …….. ten times ….. Times as (big, long, wide….. and so on) Repeated addition Array

Sign, operation, symbol, equation How do you know? Justify, explain, prove, disprove, *Finding all possibilities rules and patterns logic Problems diagram, visual* *word Problem, systematic working.* Concrete , pictorial , abstract. Sentence stem, before, then, now, Place value grid,	Relationship Sort, classify, property Formula Divisible (by), divisibility, factor Square number One squared, two squared…… (12, 22….) Units, ones Tens, hundreds, thousands Ten thousand, hundred thousand, million Digit, one-, two-, three- or four – digit number Numeral 'teens' number Place, place value Stands for, represents Exchange The same number as, as many as Equal to Roman numerals to 1000 ***Of two objects / amounts*:** >, greater than, more than, larger than, bigger than <, less than, fewer than, smaller than, ***Of three or more objects / amounts*:** Greatest, most, largest, biggest Least, fewest, smallest One…. Ten….. one hundred…….. one thousand more / less Compare, order, size	Tens boundary, hundreds boundary Units boundary, tenths boundary Inverse Columnar addition. Exchange / rename. Place holder **Subtraction** Subtract, subtraction, take (away), minus, decrease Leave, how many are left / left over? Difference between Columnar subtraction	Row, column Double, halve Share, share equally One each, two each, three each ….. Group in pairs, threes ……. Tens Equal groups of Divide, division, divided by, divided into Remainder Factor, quotient, divisible by Inverse Prime number, prime factor, composite (non-prime) Square (^{2}), cubed (^{3})

	Ascending / descending order First…… tenth….. twentieth Last, last but one Before, after, next Between, half-way between Guess how many, estimate Nearly, roughly, close to, about the same as Approximate, approximately Just over, just under Exact, exactly Too many, too few, enough, not enough Round (up or down), nearest Round to the nearest ten / hundred Round to the nearest thousand / ten thousand Round to the nearest million Integer Positive, negative Above / below zero, minus Round to the nearest million Integer Positive, negative Above / below zero, minus		

Domain / Area of Learning			
Fractions and problem solving with fractions	**Measurement (including money)**	**Geometry Properties of shapes**	**Geometry Position and direction**
part, equal parts fraction, proper / improper fraction mixed number numerator, denominator equivalent, reduced to, cancel one whole half, quarter, eighth third, sixth, ninth, twelfth fifth, tenth, twentieth, hundredth, thousandths proportion, ratio in every, for every to every, as many as decimal, decimal fraction decimal point, decimal place percentage, per cent, %	**Length** Length, width, height, depth, breadth Long, short, tall, high, low Wide, narrow, deep, shallow, thick, thin Longer, shorter, taller, higher..... and so on Longest, shortest, tallest, higher Far, further, furthest, near, close, Distance apart/between, distance to...../from..... Edge, perimeter Kilometre (km),Metre (m), inches, centimetre (cm), millimetre (mm), mile, Ruler, metre stick, tape measure **Capacity** Capacity, volume (^{3}) Full, half full Empty Holds, contains Litre (l), half-litre, millilitre (ml) Pint, gallon container, measuring cylinder **Mass** Mass: big, bigger, small, smaller, balances Weigh: Heavy / light, heavier / lighter, heaviest / lightest Weigh, weighs	curved, straight Round Hollow, solid Corner Point, pointed Face, side, edge, end Sort Make, build, construct, draw, sketch Centre, radius, diameter net Surface Angle, Right-angled Congruent Base, square based Vertex, vertices Layer, diagram Regular, irregular Concave, convex Open, closed Degree (^{o}) Symmetrical Line of symmetry, axis of symmetry Line symmetry, reflective symmetry Fold Match Mirror line, reflection, reflect Pattern, repeating pattern, translation **2D Shapes** 2D, two-dimensional Circle, circular, semi - circle	Over, under, underneath Above, below, top, bottom, side On, in, outside, inside, around In front, behind, front, back Before, after, beside, next to Opposite, apart Between, middle, edge, centre Corner Direction Journey, route, map, plan Left, right Up, down, higher, lower Forwards, backwards, sideways, across Close, far, near Along, through, to, from, towards, away from Ascend, descend Grid, row, column Origin, coordinates 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 Parallel, perpendicular x-axis, y-axis Quadrant Movement Slide, roll Whole turn, half turn, quarter turn,

	Kilogram (kg), half kilogram, gram (g), pounds Balance, scales Measure, measurements Size Compare Unit, standard unit Metric unit, imperial unit Measuring scale, division Guess, estimate Enough, not enough Too much, too little **Time** Time Days of the week: Monday, Tuesday……. Months of the year: January, February, March…….. Seasons: spring, summer, autumn, winter Day, week, fortnight, month, year, leap year, century, millennium Weekend, birthday, holiday Calendar, date, date of birth Morning, afternoon, evening, night Am, pm, noon, midnight Today, yesterday, tomorrow Before, after, Next, last Now, soon, early, late, earliest, latest Quick, quicker, quickest, quickly Fast, faster, fastest, Slow, slower, slowest, slowly Old, older, oldest, New, newer, newest	Triangle, triangular Equilateral triangle, isosceles triangle, scalene triangle Square Rectangle, rectangular, oblong Pentagon, pentagonal Hexagon, hexagonal heptagon Octagon, octagonal Polygon Quadrilateral **3D Shapes** Cube Cuboid Pyramid Sphere, hemi – sphere, spherical Cone Cylinder, cylindrical Prism Tetrahedron, polyhedron, octahedron	Rotate, rotation Angle, ….is a greater / smaller angel than Right angle, acute, obtuse, reflex, straight line angle, internal angle, external angle Degree Straight line Stretch, bend Ruler, set square Angle measurer, compasses, protractor reflection

	Takes longer, takes less time How long ago? How long will it be to….? How long will it take to…..? Timetable, arrive, depart Hour, minute, second O'clock, half past, quarter to, quarter past Clock, watch, hands Digital/analogue		

Domain / Area of Learning
Statistics
Count, tally, sort, vote, survey, questionnaire, data, graph, block graph, pictogram, line graph, represent, group set List, chart, bar chart, tally chart, table, Frequency table Carroll diagram, venn diagram Label, title, axis, axes Diagram Most popular, most common Least popular, least common Solve, comparison, sum Count, tally, sort, vote Survey, questionnaire database Graph, block graph, bar line chart Tally chart Table, Frequency table Label, title, axis, axes Mean averageMaximum / minimum value Classify, outcome Comparison, sum, axes, origin, quadrant

Year 6

Domain / Area of Learning			
Reasoning & Problem Solving / Representations	**Place value / Number**	**Addition and subtraction and problem solving using +/-**	**Multiplication and division and problem solving**
Pattern, puzzle Calculate, calculation Mental calculation Method Jotting Answer Right, correct, wrong What could we try next? How did you work it out? Number sentence Sign, operation, symbol, equation How do you know? Always, sometimes, never Justify, explain, prove, disprove, generalise *Finding all possibilities rules and patterns logic Problems diagram, visual* *word Problem, systematic working.* Concrete , pictorial , abstract. Sentence stem, before, then, now, Place value grid,	Ones, tens, hundreds, thousands Ten thousand, hundred thousand, million, ten million Digit, one-, two-, three- or four – digit number Numeral 'teens' number Place, place value Stands for, represents Exchange The same number as, as many as Equal to Number, count, how many…..? Odd, even Every other How many times? Multiple of Digit Next, consecutive Sequence, interval Continue Predict Pattern, pair, rule Relationship Sort, classify, property	**Addition and Subtraction** Add, addition, more, plus, increase Sum, total, altogether Score Double, near double How many more to make? Subtract, subtraction, take (away), minus, decrease Leave, how many are left / left over? Difference between Half, halve How many more / fewer is….. than….? How much more / less is…….? Equals, sign, is the same as Tens boundary, hundreds boundary Units boundary, tenths boundary Inverse Columnar addition / subtraction Multi-step	**Multiplication & Division** Lots of, groups of Times, multiply, multiplication, multiplied by Multiple of, product Once, Twice, three times …….. ten times ….. Times as (big, long, wide….. and so on) Repeated addition Array, row, column Double, halve Share, share equally One each, two each, three each ….. Group in pairs, threes ……. Tens Equal groups of Divide, division, divided by, divided into Remainder Factor, quotient, divisible by Inverse Long / short multiplication, division Prime Common multiple / factor

	Formula Divisible (by), divisibility, factor, factorise Square number One squared, two squared…… (12, 22….) Prime, prime factor ***Of two objects / amounts*:** >, greater than, more than, larger than, bigger than <, less than, fewer than, smaller than, ***Of three or more objects / amounts*:** Greatest, most, largest, biggest Least, fewest, smallest One…. Ten….. one hundred…….. one thousand more / less Compare, order, size Ascending / descending order First…… tenth….. twentieth Last, last but one Before, after Next Between, half-way between Guess how many, estimate Nearly, roughly, close to, about the same as Approximate, approximately Just over, just under Exact, exactly Too many, too few, enough, not enough Round (up or down), nearest		Highest / lowest common multiple / factor

	Round to the nearest ten / hundred / thousand Integer, positive, negative Above / below zero, minus		

Domain / Area of Learning			
Fractions and problem solving with fractions	**Measurement**	**Geometry Properties of shapes**	**Geometry Position and direction**
part, equal parts, unequal parts fraction, proper / improper fraction mixed number numerator, denominator, fraction bar equivalent, reduced to, cancel, simplify, lowest term, one whole half, quarter, eighth third, sixth, ninth, twelfth fifth, tenth, twentieth, hundredth, thousandth decimal, decimal fraction decimal point, decimal place percentage, per cent, % integer scale factor	Measure, measurements Size Compare Unit, standard unit Metric unit, imperial unit Measuring scale, division Guess, estimate Enough, not enough Too much, too little **Area** Area, covers, surface Square centimetre (cm^2), square metre (m^2) Square millimetre (mm^2) Perimeters **Length** Length, width, height, depth, breadth Long, short, tall, high, low	Size Bigger, larger, smaller Symmetrical Line of symmetry, axis of symmetry Line symmetry, reflective symmetry Fold Match Mirror line, reflection, reflect Pattern, repeating pattern, translation Dissection Shape, pattern Flat, line curved, straight Round Hollow, solid Corner Point, pointed Face, side, edge, end Sort	Position Over, under, underneath Above, below, top, bottom, side On, in, outside, inside, around In front, behind, front, back Before, after, beside, next to Opposite, apart Between, middle, edge, centre Corner Direction Journey, route, map, plan Left, right Up, down, higher, lower Forwards, backwards, sideways, across Close, far, near Along, through, to, from, towards, away from Ascend, descend Grid, row, column

	Wide, narrow, deep, shallow, thick, thin Longer, shorter, taller, higher….. and so on Longest, shortest, tallest, highest …. And so on Far, further, furthest, near, close, Distance apart/between, distance to…../from…… Edge, perimeter, circumference Kilometre (km),Metre (m), centimetre (cm), millimetre (mm) Mile, yard, feet, foot, inches, inch Ruler, metre stick, tape measure, compasses Cubic centimetre (cm^3), metres (m^3) millimetres (mm^3) kilometres (km^3) **Capacity** Capacity, volume Full, half full, empty Holds, contains Litre (l), half-litre, centilitre (cl), millilitre (ml) Pint, gallon container, measuring cylinder **Mass** big, bigger, small, smaller, balances Weigh: Heavy / light, heavier / lighter, heaviest / lightest Weigh, weighs Tonne, kilogram (kg), half kilogram, gram (g) Pound (lb), ounce (oz)	Make, build, construct, draw, sketch Centre, radius, diameter Circumference, concentric, arc net Surface Angle, Right-angled Right angle, acute, obtuse, reflex Degree Straight line angle, vertically opposite, complementary angle, Congruent, similar Intersecting, intersection Plane Base, square based Vertex, vertices Layer, diagram Regular, irregular Concave, convex Open, closed ***2D Shapes*** 2D, two-dimensional Circle, circular, semi - circle Triangle, triangular Equilateral triangle, isosceles triangle, scalene triangle Square, rhombus Rectangle, rectangular, oblong Pentagon, pentagonal Hexagon, hexagonal heptagon Octagon, octagonal Polygon Quadrilateral Kite	Origin, coordinates, smaller angel than Stretch, bend Origin, coordinates, coordinate plane Clockwise, anti-clockwise Compass point, north, south, east, west (N, S, E, W) North-east, north-west, south-east, south-west (NE, NW, SE, SW) Horizontal, vertical, diagonal Parallel, perpendicular x-axis, y-axis Quadrant Movement Slide, roll Whole turn, half turn, quarter turn, rotate, rotation Angle, ….is a greater /

	Balance, scales Timetable, arrive, depart Hour, minute, second O'clock, half past, quarter to, quarter past Clock, watch, hands Digital/analogue clock/watch, timer 24-hour clock, 12-hour clock Greenwich Mean Time, British Summer Time International Date Line	Parallelogram, trapezium ***3D Shapes*** 3D, three-dimensional Cube Cuboid Pyramid Sphere, hemi – sphere, spherical Cone Cylinder, cylindrical Prism Tetrahedron, polyhedron, octahedron	

Domain / Area of Learning		
Statistics	**Ratio & Proportion**	**Algebra**
Count, tally, sort, vote Survey, questionnaire Data, database. Data set, mean average Graph, block graph, line graph Pictogram Represent Group set List, chart, bar chart, bar line chart Pie chart Tally chart Table, Frequency table Carroll diagram, Venn diagram Label, title, axis, axes Diagram Most popular, most common Least popular, least common	proportion, ratio (ratio as a:b) in every, for every to every, as many as, relative size, scale factor, relationship, decimal, decimal fraction	Formulae Linear number sequence Equation Enumerate Variables Missing numbers, lengths, coordinates, angles Equivalent expressions Number patterns, puzzles Symbol, letter, sequence algebraic(ally) equation unknown variable constant generalise.

Mode, range, mean, average, median Statistics, distribution Maximum / minimum value Classify, outcome		