Maths Vocabulary Progression at KSJ

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|  | **YN** | **YR** | **Y1** | **Y2** | **Y3** | **Y4** | **Y5** | **Y6** |
| Place value and number | Number  zero, one, two,  three...to ten  Count  Largest/ Smallest | Number  Zero, one, two,  three...to  ten  Count Before/after  More, less, many  Largest/smallest Equal  Count forwards  Count backwards | Numbers to twenty and beyond  Most, least, many  None  Count on, count up, count from, count down  Few, fewer, fewest  Greater than, less than  Odd, even  Pair  Units, ones, tens  Ten more/less  Digit  Numeral Figures  Compare  Order, in order, a different order  Size  Value  Between  Halfway  between | Numbers to one hundred  Hundreds  Partition,  recombine  Hundred  more/less | Numbers to one thousand  Integer  Intervals  Column  Place value  Digit  Value  Worth  Place value  holder  Roman  numerals I to  XIII | Tenths, hundredths Decimal (places)  Round (to nearest)  Thousand more/thousand less  Negative  integers  Count through zero | Powers of 10  Roman numerals I to 100 | Numbers to ten million |
| Addition and subtraction | More  Less  Altogether | Number bonds  Number line  Add/addition  More Plus Total  Altogether Take away  Equals  Is the same as | Sum  Near double  Difference  between  How many more to make?  How many more is  ...than? How much more is..?  Subtract Minus  How many  fewer is...than?  How much less is..? | Sum  Commutative  Inverse  Near double | Column addition  Column subtraction  Formal written method  Exchange |  | Efficient written method | Order of operations (BODMAS) |
| Multiplication and division | Groups  Share | Double  Half/halve  Groups, share | Odd, even  Count in  twos/fives  Count in tens (forwards from/backwards from)  How many  times? Lots of Groups of  Once, twice,  Share equally  Group in pairs  Equal groups of  Multiplication  Division | Three times, five times  Multiple of Times Multiply  Multiply by  Repeated addition  Array, row,  column,  Divide  Divide by  Left, left over | Product  Multiples of 4, eight, fifty and one hundred  Scale up Divisibility  Divisible by  Exchange  Remainder | Multiplication facts (up to 12X12)  Division facts  (associated facts)  Inverse  Inverse operation  Derive | Factor pairs  Composite numbers, prime numbers, prime factors, square  numbers,  cubed numbers  Formal written method  Dividend,  divisor,  quotient  Multiplicand | Order of operations (BODMAS)  Common factors,  Common multiples  Highest/ lowest common factor/ multiple |
| Geometry- position and direction | Over, under, underneath, above, below, top, bottom, side  On, in, outside, inside  around, in front, behind, front, back before, after next to | Over, under,  underneath,  above, below,  top, bottom,  side  On, in  outside, inside  around, in  front, behind front, back before, after beside, next to opposite Between  Up down  Forwards, backwards To, from  Stretch, bend | Position  Apart  Middle, edge, centre, corner  Direction  Journey  Left, right  Sideways  Across  Close, far, near  Along, through  towards, away from  Movement  Slide, roll, turn, whole turn, half turn | Rotate, rotation Clockwise, anti-clockwise  Straight line  Ninety degree turn, right angle | Greater than/less than ninety degrees  Orientation (same and different orientation) | Co-ordinates Translation  First quadrant  X-axis  Y-axis  Perimeter, area |  | Four quadrants Translation  Reflection |
| Geometry- properties of shape | Shape  Cube, Pyramid,  Cone, Circle, triangle,  Square  Flat, Curved, straight, round  Corner | Group  Sort  Shape  Cube, cuboid,  pyramid, sphere, cone, cylinder, circle, circular, triangle, square  Flat, curved, straight, round  Corner  Face, side, edge | Hollow, solid  Point, pointed  Size — bigger,  larger, smaller | Symmetry, symmetrical, line of symmetry  Fold  Match  Mirror line Reflection  Pattern, repeating pattern  Octagon, kite, pentagon, prism | Horizontal, vertical, diagonal, perpendicular and parallel lines  Heptagon, hexagon, Parallelogram, rhombus, trapezium, | Quadrilaterals  Triangles — right angle, scalene, equilateral  Right angle, acute and obtuse angles | Regular and irregular polygons  Dodecahedron Reflex angle  Dimensions  Reflective symmetry  Congruent | Vertically opposite angles  Opposite angles  Circumference,  radius, diameter  Compasses (pair of)  Intersecting  Concentric  Arc |
| Measure | Full, empty  Heavy  Light Time  Days of the  week  Day, Month  Seasons: Spring, Summer, Autumn, Winter | Full, half full, empty  Holds  Container  Balances  Heavy, heavier, heaviest  Light, lighter, lightest  Time  Days of the week  Day, Month, birthday, holiday Seasons: Spring, Summer, Autumn, Winter Morning, afternoon, evening, night Bedtime, lunchtime, dinnertime, playtime Today,  yesterday,  tomorrow  First, second,  third etc  Long, longer, longest  Short, shorter, shortest  Tall, taller, tallest,  High, higher,  highest  Thick, thin  Low, Wide,  narrow,  Deep, shallow  Money, coin,  penny, pence,  pound, price,  cost, buy, sell,  spend, pay  How much? | Weigh, weighs  Scales  Week  Year  Weekend  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  Hour, o'clock, half  past  Analogue, digital watch, hands,  How long ago?  How long will it be? How long will it take?  How often?  Always, never, often, sometimes, usually  Far, near, close  Metre, ruler, metre  Stick, centimeter  spent, change Dear, cheap(er), costs more, costs less, costs the same Total  Measure  Measurement  Height, width, depth | Quarter past/to  Capacity  m/km, g/kg, ml/I  temperature  (degrees) | Leap year  Twelve- hour/twenty- four hour clock | Convert | Volume  Imperial units, metric units  Compound  Composite | Pound, ounce, tonne, imperial, metric  Cubic measurements |
| Fractions | Whole | Whole  Half  Halve | Equal parts, four equal parts  One half, two halves  A quarter, two quarters  Fraction | Three quarters, one third, a third  Equivalence, equivalent | Unit fraction, non-unit fraction  Compare and order | Equivalent fractions | Fifth, two fifth,  three filths, four filths  Proper fractions, improper fractions, mixed numbers | Degree of accuracy  Simplify |
| Percentages and decimals |  |  |  |  | Numerator, denominator  Compare and order  Tenths  Decimal place | Equivalent decimals  Hundredth | Percentage  Out Of 100  Per cent % | Simplify |
| Data/ statistics |  |  |  | Count, tally, sort  Vote  Graph, block graph,  pictogram  Represent  Group, set, list, table  Label, title  Most popular, most common, least popular, least common | Chart, bar chart, frequency table, tally, Carroll diagram, Venn diagram  Axis, axes Diagram, label | Continuous data  Line graph | Ratio, proportion | Mean Average  Pie chart  Construct |
| Algebra |  |  |  |  |  |  |  | Linear number sequence  Brackets  Substitute  Variables  Symbol  Known values  Equivalent expression  Formula |
| Problem solving/ General language | Listen, join in  Say, think,  Show me,  Look at, point to  Find  Choose Collect  Use  Make build  Colour/shade  Draw  Ring Count  Counters Cubes Blocks  Dice Dominoes  Peg board | Listen, join in  Say, think, show  me  Start from  Look at, point to What comes next?  Find  Choose  Collect  Colour/shade  Make, build, draw  Ring Count  Counters Cubes Blocks Dice  Dominoes Peg board  In order | Roughly  Imagine, remember  Start with, start at  Put, place, fit  Arrange, rearrange  Change, change over  Split, separate  Carry on, continue, repeat What comes next?  Tell me, describe,  pick out, talk  about, explain,  show me,  Read, write, record, trace, copy, complete, finish, end  Tick, cross, draw a line between, join, arrow  Count, workout, answer, check, missing number  Number facts, number line, number track, number square, number cards,  Abacus Same way,  different way, best way, another way  In order, in a different order Not all, every, each | Predict Describe the  pattern, describe  the rule  Find, find all, find different  Investigate |  |  |  |  |