Maths Vocabulary Progression at KSJ

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **YN** | **YR** | **Y1** | **Y2** | **Y3** | **Y4** | **Y5** | **Y6** |
| Place value and number  | Numberzero, one, two,three...to tenCountLargest/ Smallest | NumberZero, one, two,three...totenCount Before/afterMore, less, manyLargest/smallest EqualCount forwardsCount backwards | Numbers to twenty and beyondMost, least, manyNoneCount on, count up, count from, count downFew, fewer, fewestGreater than, less thanOdd, evenPairUnits, ones, tensTen more/lessDigitNumeral FiguresCompareOrder, in order, a different orderSize Value BetweenHalfwaybetween | Numbers to one hundredHundreds Partition,recombineHundredmore/less | Numbers to one thousandInteger Intervals ColumnPlace valueDigitValueWorthPlace valueholderRomannumerals I toXIII | Tenths, hundredths Decimal (places)Round (to nearest)Thousand more/thousand lessNegativeintegersCount through zero | Powers of 10Roman numerals I to 100 | Numbers to ten million |
| Addition and subtraction  | MoreLessAltogether | Number bondsNumber lineAdd/additionMore Plus TotalAltogether Take awayEqualsIs the same as | SumNear doubleDifferencebetweenHow many more to make?How many more is...than? How much more is..?Subtract MinusHow manyfewer is...than?How much less is..? | Sum CommutativeInverse Near double | Column additionColumn subtractionFormal written methodExchange |  | Efficient written method | Order of operations (BODMAS) |
| Multiplication and division | GroupsShare | DoubleHalf/halveGroups, share | Odd, evenCount intwos/fivesCount in tens (forwards from/backwards from)How manytimes? Lots of Groups ofOnce, twice,Share equallyGroup in pairsEqual groups ofMultiplicationDivision | Three times, five timesMultiple of Times MultiplyMultiply byRepeated additionArray, row,column,Divide Divide byLeft, left over | ProductMultiples of 4, eight, fifty and one hundredScale up DivisibilityDivisible byExchangeRemainder | Multiplication facts (up to 12X12)Division facts(associated facts)InverseInverse operationDerive | Factor pairsComposite numbers, prime numbers, prime factors, squarenumbers,cubed numbersFormal written methodDividend,divisor,quotientMultiplicand | Order of operations (BODMAS)Common factors,Common multiplesHighest/ lowest common factor/ multiple |
| Geometry- position and direction | Over, under, underneath, above, below, top, bottom, sideOn, in, outside, insidearound, in front, behind, front, back before, after next to | Over, under,underneath,above, below,top, bottom,sideOn, inoutside, insidearound, infront, behind front, back before, after beside, next to opposite BetweenUp downForwards, backwardsTo, fromStretch, bend | PositionApartMiddle, edge, centre, cornerDirectionJourneyLeft, rightSideways AcrossClose, far, nearAlong, throughtowards, away fromMovementSlide, roll, turn, whole turn, half turn | Rotate, rotation Clockwise, anti-clockwiseStraight lineNinety degree turn, right angle | Greater than/less than ninety degreesOrientation (same and different orientation) | Co-ordinates Translation First quadrant X-axisY-axisPerimeter, area |  | Four quadrants TranslationReflection |
| Geometry- properties of shape | ShapeCube, Pyramid,Cone, Circle, triangle,SquareFlat, Curved, straight, round Corner | Group SortShapeCube, cuboid,pyramid, sphere, cone, cylinder, circle, circular, triangle, squareFlat, curved, straight, roundCornerFace, side, edge | Hollow, solid Point, pointedSize — bigger,larger, smaller | Symmetry, symmetrical, line of symmetryFoldMatchMirror line ReflectionPattern, repeating patternOctagon, kite, pentagon, prism | Horizontal, vertical, diagonal, perpendicular and parallel linesHeptagon, hexagon, Parallelogram, rhombus, trapezium, | QuadrilateralsTriangles — right angle, scalene, equilateralRight angle, acute and obtuse angles | Regular and irregular polygonsDodecahedron Reflex angleDimensionsReflective symmetry Congruent | Vertically opposite anglesOpposite anglesCircumference,radius, diameterCompasses (pair of)IntersectingConcentricArc |
| Measure | Full, emptyHeavyLightTimeDays of theweekDay, MonthSeasons: Spring, Summer, Autumn, Winter | Full, half full, emptyHoldsContainerBalancesHeavy, heavier, heaviestLight, lighter, lightestTimeDays of the week Day, Month, birthday, holiday Seasons: Spring, Summer, Autumn, Winter Morning, afternoon, evening, night Bedtime, lunchtime, dinnertime, playtime Today,yesterday,tomorrowFirst, second,third etcLong, longer, longestShort, shorter, shortestTall, taller, tallest,High, higher,highestThick, thinLow, Wide,narrow,Deep, shallowMoney, coin,penny, pence,pound, price,cost, buy, sell,spend, payHow much? | Weigh, weighs ScalesWeekYear WeekendBefore, after Next, lastNow, soon, early, lateQuick, quicker, quickest, quicklyFast, faster fastest Slow, slower, slowest, slowlyOld, older, oldest New, newer, newestTakes longer, takes less timeHour, o'clock, halfpastAnalogue, digital watch, hands,How long ago?How long will it be? How long will it take?How often?Always, never, often, sometimes, usuallyFar, near, closeMetre, ruler, metreStick, centimeter spent, change Dear, cheap(er), costs more, costs less, costs the same TotalMeasureMeasurementHeight, width, depth | Quarter past/toCapacitym/km, g/kg, ml/Itemperature(degrees) | Leap yearTwelve- hour/twenty- four hour clock | Convert | VolumeImperial units, metric unitsCompoundComposite | Pound, ounce, tonne, imperial, metricCubic measurements |
| Fractions | Whole | WholeHalfHalve | Equal parts, four equal partsOne half, two halvesA quarter, two quartersFraction | Three quarters, one third, a thirdEquivalence, equivalent | Unit fraction, non-unit fractionCompare and order | Equivalent fractions | Fifth, two fifth,three filths, four filthsProper fractions, improper fractions, mixed numbers | Degree of accuracySimplify |
| Percentages and decimals  |  |  |  |  | Numerator, denominatorCompare and orderTenthsDecimal place | Equivalent decimals Hundredth  | PercentageOut Of 100Per cent % | Simplify |
| Data/ statistics  |  |  |  | Count, tally, sortVoteGraph, block graph,pictogramRepresentGroup, set, list, tableLabel, titleMost popular, most common, least popular, least common | Chart, bar chart, frequency table, tally, Carroll diagram, Venn diagramAxis, axes Diagram, label | Continuous dataLine graph | Ratio, proportion | Mean AveragePie chartConstruct |
| Algebra |  |  |  |  |  |  |  | Linear number sequenceBracketsSubstituteVariablesSymbolKnown valuesEquivalent expressionFormula |
| Problem solving/ General language | Listen, join inSay, think,Show me,Look at, point to FindChoose Collect Use Make buildColour/shadeDrawRing CountCounters Cubes BlocksDice DominoesPeg board | Listen, join inSay, think, showmeStart fromLook at, point to What comes next?FindChoose CollectColour/shade Make, build, drawRing CountCounters Cubes Blocks DiceDominoes Peg boardIn order | RoughlyImagine, rememberStart with, start atPut, place, fitArrange, rearrangeChange, change overSplit, separateCarry on, continue, repeat What comes next?Tell me, describe,pick out, talkabout, explain,show me,Read, write, record, trace, copy, complete, finish, endTick, cross, draw a line between, join, arrowCount, workout, answer, check, missing numberNumber facts, number line, number track, number square, number cards,Abacus Same way,different way, best way, another wayIn order, in a different order Not all, every, each | Predict Describe thepattern, describethe ruleFind, find all, find differentInvestigate |  |  |  |  |