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|  | **Number** | **Place Value** | **Estimating** | **Addition and Subtraction** | **Multiplication and Division** | **Fractions** | **Algebra** |
| **EYFS (Nursery and Year R)****Vocabulary will be introduced in Nursery and embedded throughout the children’s time in Year R.** | zeronumberone, two, three … to twenty and beyondteens numbers, eleven, twelve … twentynonehow many …?count, count (up) to, count on (from, to), count back (from, to)is the same asmore, lessodd, evenfewpatternpair | onestensdigitthe same number as, as many asmore, larger, bigger, greaterfewer, smaller, lessfewest, smallest, leastmost, biggest, largest, greatestone more, ten moreone less, ten lesscompareordersizefirst, second, third… twentiethlast, last but onebefore, afternextbetween | guesshow many …?estimatenearlyclose toabout the same asjust over, just undertoo many, too fewenough, not enough | add, more, andmake, sum, totalaltogetherdoubleone more, two more … ten morehow many more to make …?how many more is … than …?how much more is …?take awayhow 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 | sharingdoublinghalvingnumber patterns | parts of a wholehalfquarter |  |
| **Year 1** | numeraltwenty-one, twenty-two…one hundredforwardsbackwardsequal toequivalent tomost, leastmanymultiple of | equal tohalf-way betweenabove, below | roughly | additionnear doublehalf, halvesubtractequalsis the same asnumber bonds/pairsmissing number | multiplicationmultiplymultiplied bymultipledivisiondividinggroupingarray | fractionequal partequal groupingequal sharingone of two equal partsone of four equal parts |  |
| **Year 2** | two hundred…one thousand…threes, fours and so ontallysequencecontinuepredictrule> greater than< less than | hundredsone, two or three digit numbersplace, place valuestands for, representsexchangetwenty-first, twenty-second… | exact, exactly | …one hundred more…one hundred lessfactstens boundary | groups oftimesonce, twice, three times…ten timesrepeated additiondivide, divided by, divided intoshare, share equallyleft, left overone each, two each…ten eachgroups in pairs, threes…tensequal groups ofrow, columnmultiplication tablemultiplication fact, division fact | equivalent fractionmixed numbernumeratordenominatortwo halvestwo quartersthree quartersone third, two thirdsone of three equal parts |  |
| **Year 3** | eights, fifties…hundredsfactor ofrelationshipRoman Numerals | one hundred moreone hundred less | approximate, approximatelyround, nearest, round to the nearest ten,hundredround up, round down | hundreds boundary | factorproductremainder | sixths, sevenths, eighths, tenths… |  |
| **Year 4** | …ten thousand, hundred thousand, millionsixes, sevens, nines, twenty-fivesnext, consecutiveinteger, positive, negativeabove/below zero, minusnegative numbers | one thousand moreone thousand less | thousand | inverse | inversesquare, squaredcube, cubed | hundredthsdecimal, decimal fraction, decimal point, decimal place, decimal equivalentproportion |  |
| **Year 5** | factor pair≥ greater than or equal to≤ less than or equal toformuladivisibilitysquare numberprime numberascending/descending order |  | ten thousand | ones boundarytenths boundary |  | proper/improper fractionequivalent, reduced to, cancelthousandthsin every, for everypercentage per cent% |  |
| **Year 6** | factoriseprime factordigit total |  |  |  |  | ratio | formulaformulaeequationunknownvariable |

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|  | **Measurement** | **Length** | **Weight** | **Capacity and Volume** | **Temperature** | **Time** | **Money** |
| **EYFS (Nursery and Year R)****Vocabulary will be introduced in Nursery and embedded throughout the children’s time in Year R.** | measuresizecompareguess, estimateenough, not enoughtoo much, too littletoo many, too fewnearly, close to, about the same asjust over, just under | metrelength, height, width, depthlong, short, tallhigh, lowwide, narrowthick, thinlonger, shorter, taller, higher … and so onlongest, shortest, tallest, highest … and so onfar, near, close | weigh, weighs, balancesheavy, lightheavier than, lighter thanheaviest, lightestscales | fullemptyhalf fullholdscontainer |  | timedays of the week, Monday, Tuesday …day, weekbirthday, holidaymorning, afternoon, evening, nightbedtime, dinner time, playtimetoday, yesterday, tomorrowbefore, afternext, lastnow, soon, early, latequick, quicker, quickest, quicklyslow, slower, slowest, slowlyold, older, oldestnew, newer, newesttakes longer, takes less timehour, o’clockclock, watch, hands | moneycoinpenny, pence, poundprice, costbuy, sellspend, spentpay |
| **Year 1** | measurementroughly | centimetrerulermetre stick | kilogram, half kilogram | litre, half litrecapacityvolumemore thanless thanquarter full |  | months of the year (january, february…)seasons: spring, summer, autumn, winterweekend, month, yearearlier, laterfirstmidnightdatehow long ago?how long will it be to…?how long will it take to…?how often?always, never, sometimes, oftenusuallyonce, twicehalf past, quarter past, quarter toclock facehour hand, minute handhours, minutes | changedear, costs morecheap, costs less, cheapercosts the same ashow much…?how many…?total |
| **Year 2** | measuring scale | further, furthesttape measure | gram | millilitrecontains | temperaturedegree | fortnight5, 10, 15…minutes pastdigital/analogue clock/watch, timerseconds | boughtsold |
| **Year 3** | divisionapproximately | millimetrekilometremiledistance apart…between…to…fromperimeter |  |  | centigrade | centurycalendarearliest, latesta.m.p.m.Roman Numerals12-hour clock24-hour clock |  |
| **Year 4** | unit, standard unitmetric unit | breadthedgearea, coverssquare centimetre (cm2) | mass: big, bigger, small, smallerweight: heavy/light, heavier/lighter, heaviest/lightest | measuring cylinder |  | leap yearmillenniumnoondate of birthtimetable, arrive, depart |  |
| **Year 5** | imperial unit | square metre (m2), square millimetre (mm2) |  | pintgallon |  |  | discountcurrency |
| **Year 6** |  | yard, foot, feet, inch, inchescircumference | tonnepoundounce | centilitrecubic cm (cm3), cubic m (m3), cubic mm (mm3), cubic km (km3) |  | Greenwich Mean Time, British Summer Time, International Date Line | profitloss |

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|  | **Properties of shape** | **2D shape** | **3D shape** | **Position and direction** | **Statistics** |
| **EYFS (Nursery and Year R)****Vocabulary will be introduced in Nursery and embedded throughout the children’s time in Year R.** | shape, patternflatcurved, straightroundhollow, solidsortmake, build, drawsizebigger, larger, smallersymmetricalpattern, repeating patternmatch | corner, siderectangle (including square)circletriangle | face, edge, vertex, verticescubepyramidspherecone | positionover, underabove, belowtop, bottom, sideon, inoutside, insidearoundin front, behindfront, backbeside, next tooppositeapartbetweenmiddle, edgecornerdirectionleft, rightup, downforwards, backwards, sidewaysacrossnext to, close, near, faralongthroughto, from, towards, away frommovementsliderollturnstretch, bendwhole turn, half turn | count, sortgroup, setlist |
| **Year 1** | symmetry, symmetrical pattern | point, pointed | cuboid, cylinder | underneathcentrejourneyquarter turn | votetable  |
| **Year 2** | surfaceline symmetry | rectangularcirculartriangularpentagonhexagonoctagon |  | routehigher, lowerclockwise, anticlockwiseright anglestraight line | tallygraph, block graph, pictogramrepresentlabeltitlemost popular, most commonleast popular, least common |
| **Year 3** | perimeter | pentagonalhexagonaloctagonalquadrilateralright-angledparallel, perpendicular | hemisphereprism, triangular prism | compass pointnorth, south, east, westhorizontalverticaldiagonalangle…is a greater/smaller angle thanacute angleobtuse angle | chart, bar chart, frequency tablecarroll diagramvenn diagramaxis, axesdiagram |
| **Year 4** | lineconstruct, sketchcentreangle, right-angledbasesquare-basedreflect, reflectionregular, irregular | 2d, two-dimensionaloblongrectilinearequilateral triangle, isosceles triangle, scalene triangleheptagonparallelogramrhombustrapeziumpolygon | 3d, three-dimensionalsphericalcylindricaltetrahedron, polyhedron | north-east, north-west, south-east, south-westtranslatetranslationrotaterotationdegreereflectionruler, set squareangle measurer, compass | surveyquestionnairedata |
| **Year 5** | radius, diametercongruentaxis of symmetryreflective symmetry | x-axisy-axisquadrant | octahedron | coordinateprotractor | databasebar line chartline graphmaximum/minimum valueoutcome |
| **Year 6** | circumference, concentricnet, open, closedintersecting, intersection plane | kite | dodecahedronnet, open, closed | reflex angle | pie chartmean (mode, median, range as estimates for this)statistics, distribution |

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|  | **General** |
| **EYFS (Nursery and Year R)****Vocabulary will be introduced in Nursery and embedded throughout the children’s time in Year R.** | patternpuzzlewhat could we try next?how did you work it out?recognisedescribedrawcomparesort |
| **Year 1** | problem, problem solvingmental, mentallyexplain your thinking |
| **Year 2** | show how you …explain your methoddescribe the patterndescribe the ruleinvestigatemental calculationwritten calculation |
| **Year 3** | greatest value, least valuestatement |
| **Year 4** | justifymake a statement |
| **Year 5** | explain your reasoning |
| **Year 6** | all of the above |