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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.** | 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)  is the same as  more, less  odd, even  few  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… twentieth  last, last but one  before, after  next  between | guess  how many …?  estimate  nearly  close to  about the same as  just over, just under  too many, too few  enough, not enough | 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 | sharing  doubling  halving  number patterns | parts of a whole  half  quarter |  |
| **Year 1** | numeral  twenty-one, twenty-two…one hundred  forwards  backwards  equal to  equivalent to  most, least  many  multiple of | equal to  half-way between  above, below | roughly | addition  near double  half, halve  subtract  equals  is the same as  number bonds/pairs  missing number | multiplication  multiply  multiplied by  multiple  division  dividing  grouping  array | fraction  equal part  equal grouping  equal sharing  one of two equal parts  one of four equal parts |  |
| **Year 2** | two hundred…one thousand  …threes, fours and so on  tally  sequence  continue  predict  rule  > greater than  < less than | hundreds  one, two or three digit numbers  place, place value  stands for, represents  exchange  twenty-first, twenty-second… | exact, exactly | …one hundred more  …one hundred less  facts  tens boundary | groups of  times  once, twice, three times…ten times  repeated addition  divide, divided by, divided into  share, share equally  left, left over  one each, two each…ten each  groups in pairs, threes…tens  equal groups of  row, column  multiplication table  multiplication fact, division fact | equivalent fraction  mixed number  numerator  denominator  two halves  two quarters  three quarters  one third, two thirds  one of three equal parts |  |
| **Year 3** | eights, fifties…hundreds  factor of  relationship  Roman Numerals | one hundred more  one hundred less | approximate, approximately  round, nearest, round to the nearest ten,  hundred  round up, round down | hundreds boundary | factor  product  remainder | sixths, sevenths, eighths, tenths… |  |
| **Year 4** | …ten thousand, hundred thousand, million  sixes, sevens, nines, twenty-fives  next, consecutive  integer, positive, negative  above/below zero, minus  negative numbers | one thousand more  one thousand less | thousand | inverse | inverse  square, squared  cube, cubed | hundredths  decimal, decimal fraction, decimal point, decimal place, decimal equivalent  proportion |  |
| **Year 5** | factor pair  ≥ greater than or equal to  ≤ less than or equal to  formula  divisibility  square number  prime number  ascending/descending order |  | ten thousand | ones boundary  tenths boundary |  | proper/improper fraction  equivalent, reduced to, cancel  thousandths  in every, for every  percentage  per cent  % |  |
| **Year 6** | factorise  prime factor  digit total |  |  |  |  | ratio | formula  formulae  equation  unknown  variable |

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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.** | 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 | 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 | weigh, weighs, balances  heavy, light  heavier than, lighter than  heaviest, lightest  scales | full  empty  half full  holds  container |  | 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 | money  coin  penny, pence, pound  price, cost  buy, sell  spend, spent  pay |
| **Year 1** | measurement  roughly | centimetre  ruler  metre stick | kilogram, half kilogram | litre, half litre  capacity  volume  more than  less than  quarter full |  | months of the year (january, february…)  seasons: spring, summer, autumn, winter  weekend, month, year  earlier, later  first  midnight  date  how long ago?  how long will it be to…?  how long will it take to…?  how often?  always, never, sometimes, often  usually  once, twice  half past, quarter past, quarter to  clock face  hour hand, minute hand  hours, minutes | change  dear, costs more  cheap, costs less, cheaper  costs the same as  how much…?  how many…?  total |
| **Year 2** | measuring scale | further, furthest  tape measure | gram | millilitre  contains | temperature  degree | fortnight  5, 10, 15…minutes past  digital/analogue clock/watch, timer  seconds | bought  sold |
| **Year 3** | division  approximately | millimetre  kilometre  mile  distance apart…between…to…from  perimeter |  |  | centigrade | century  calendar  earliest, latest  a.m.  p.m.  Roman Numerals  12-hour clock  24-hour clock |  |
| **Year 4** | unit, standard unit  metric unit | breadth  edge  area, covers  square centimetre (cm2) | mass: big, bigger, small, smaller  weight: heavy/light, heavier/lighter, heaviest/lightest | measuring cylinder |  | leap year  millennium  noon  date of birth  timetable, arrive, depart |  |
| **Year 5** | imperial unit | square metre (m2), square millimetre (mm2) |  | pint  gallon |  |  | discount  currency |
| **Year 6** |  | yard, foot, feet, inch, inches  circumference | tonne  pound  ounce | centilitre  cubic cm (cm3), cubic m (m3), cubic mm (mm3), cubic km (km3) |  | Greenwich Mean Time, British Summer Time, International Date Line | profit  loss |

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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, pattern  flat  curved, straight  round  hollow, solid  sort  make, build, draw  size  bigger, larger, smaller  symmetrical  pattern, repeating pattern  match | corner, side  rectangle (including square)  circle  triangle | face, edge, vertex, vertices  cube  pyramid  sphere  cone | 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 | count, sort  group, set  list |
| **Year 1** | symmetry, symmetrical pattern | point, pointed | cuboid, cylinder | underneath  centre  journey  quarter turn | vote  table |
| **Year 2** | surface  line symmetry | rectangular  circular  triangular  pentagon  hexagon  octagon |  | route  higher, lower  clockwise, anticlockwise  right angle  straight line | tally  graph, block graph, pictogram  represent  label  title  most popular, most common  least popular, least common |
| **Year 3** | perimeter | pentagonal  hexagonal  octagonal  quadrilateral  right-angled  parallel, perpendicular | hemisphere  prism, triangular prism | compass point  north, south, east, west  horizontal  vertical  diagonal  angle…is a greater/smaller angle than  acute angle  obtuse angle | chart, bar chart, frequency table  carroll diagram  venn diagram  axis, axes  diagram |
| **Year 4** | line  construct, sketch  centre  angle, right-angled  base  square-based  reflect, reflection  regular, irregular | 2d, two-dimensional  oblong  rectilinear  equilateral triangle, isosceles triangle, scalene triangle  heptagon  parallelogram  rhombus  trapezium  polygon | 3d, three-dimensional  spherical  cylindrical  tetrahedron, polyhedron | north-east, north-west, south-east, south-west  translate  translation  rotate  rotation  degree  reflection  ruler, set square  angle measurer, compass | survey  questionnaire  data |
| **Year 5** | radius, diameter  congruent  axis of symmetry  reflective symmetry | x-axis  y-axis  quadrant | octahedron | coordinate  protractor | database  bar line chart  line graph  maximum/minimum value  outcome |
| **Year 6** | circumference, concentric  net, open, closed  intersecting, intersection plane | kite | dodecahedron  net, open, closed | reflex angle | pie chart  mean (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.** | pattern  puzzle  what could we try next?  how did you work it out?  recognise  describe  draw  compare  sort |
| **Year 1** | problem, problem solving  mental, mentally  explain your thinking |
| **Year 2** | show how you …  explain your method  describe the pattern  describe the rule  investigate  mental calculation  written calculation |
| **Year 3** | greatest value, least value  statement |
| **Year 4** | justify  make a statement |
| **Year 5** | explain your reasoning |
| **Year 6** | all of the above |