|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Year 6: Maths vocabulary to explain your thinking! | **Problem Solving and Reasoning** | investigate, predict,  describe, pick out,  talk about, explain,  show me  describe the pattern describe the rule  find, find all,  find different  arrange, rearrange  change, split, separate  carry on, continue,  repeat,  What comes next? | **Algebra** | linear number sequence  substitute  variables  symbol  known values |
| **Statistics** | table, chart, diagram, graph,  bar chart,  frequency table, pictogram,  line graph,  axis, axes,  pie chart  Carroll diagram, Venn diagram,  count, tally    continuous data    sort, vote, group    represent  set, list  label, title  most popular  most common  least popular  least common  mean (average) | | |
| **Geometry** | coordinates  translation  4 quadrants  x axis / y axis  perimeter  area  quadrilaterals  triangles  right angle  acute angle  obtuse angles  greater/less than 90º  reflex angle  vertically opposite angles  straight line  horizontal / vertical perpendicular lines/sides  parallel lines/sides  pair of parallel lines  dimensions  symmetrical  line(s) of symmetry  mirror line  reflection  face, side, edge  flat, curved, straight, round  rotation  clockwise  anticlockwise  orientation (same or different)  circumference  radius  diameter | | |
| **Measures** | convert  millimetres (mm), centimetres (cm), metres (m), kilometres (km)  grams (g), kilograms (kg)  millimetres (ml), litres (l)  length, width, height, depth long, longer, longest, short, shorter shortest, tall, taller, tallest, high, higher, highest low, wide, narrow, deep, shallow, thick, thin, far, near, close  heavy, heavier, heaviest, light, lighter, lightest  money, coin, penny, pence, pound, price, cost, change, dear(er), costs more, costs less, cheaper,  costs the same as…  12-hour/24-hour clock,  o'clock, half past/to,  quarter past/to,  day, week, weekend, month, year, leap year  temperature (degrees)  volume  imperial units, metric units | | |
| **Fractions and Decimals** | unit fraction  non-unit fraction  numerator denominator  proper fraction  improper fraction  mixed numbers  equivalent decimals and fractions  simplify  compare and order  whole  halves, quarters, eighths, tenths,  thirds, fifths  equal parts  How many equal parts are there in the whole?  percentage  percentage of  ratio  proportion | | |
| **Multiplication and Division** | formal written method  multiplication facts,  multiply by,  multiple(s) of,  common multiples, product, lots of, groups of, times,  repeated addition,  double,  How many times?  division facts,  share, share equally,  group in,  equal groups of,  divide into,  divided by, halve  factors / factor pairs  common factors  composite numbers  prime numbers  prime factors  square number  cubed number  array, row, column    left / left over  forwards from  backwards from  inverse  derive  order of operations | | |
| **Addition and Subtraction** | efficient written method  formal written method  column addition  column subtraction  number bonds  number line  add, more, plus,  make, sum, total, altogether  subtract,  take away, minus, difference between  inverse  How many more is…than..?  How many more to make..?  How much more is..?  How many fewer is…than..?  How much less is..?  order of operations | | |
| **Number and Place Value** | digit  numeral  figure(s)  odd / even  value  tenths  hundredths  decimal  powers of ten  round to the nearest  negative numbers Roman numeral  above  below  compare  in order  a different order  between  halfway between  equals  is the same as | | |