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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Number and Place Value** | | | | | | | |
| **Nursery** | **Reception** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
| More  More than  Fewer than  Lots  Same  Numbers up to ten | One more than  One less than  Place  Order  Number  Count  Numbers up to  twenty  Number line  Answer  Equals  Read  Write  Part-whole model  Ten Frame | Forwards  Backwards  Numerals  Words  Multiples  Equal  Most  Least  Identify  Represent  Digit  Calculate  Odd  Even  Pattern  Numbers up to one hundred  Steps  Ones, twos  Two- digit | Ones  Tens  Two- digit  Estimate  Place Value  Solve  Problems  Greater than >  Less than <  Nearest ten  Number facts  Partition  Count in steps  Zero  Compare  Determine  Value | Hundreds  Three-digit  ten more  one hundred  more  ten less  one hundred  less  Numbers up to  one thousand  Ascending  Descending  Position  Roman  Numeral I to XII (analogue clock) | Thousands  Four- digit  Negative  number  One thousand  more  One thousand  less  Roman  Numeral  1 I 2 II 3 III 4 IV 5 V 6 VI 7 VII 8 VIII 9 IX 10 X 50 L 100 C 500 D 1000 M  Decimal  Decimal place  Rounding  Place holder  Nearest ten  Nearest  hundred  Nearest  thousand  One place  Whole number  Integer  Tenths  Hundredths | Ten thousands  Hundred  thousands  Millions  Context  Steps of powers  Decimal  equivalents  Two decimal  places  Thousandths  Numbers up to  one million  Benchmarks  Midpoint | Intervals across  zero  Three decimal  places  Hundredths  Thousandths  Ten  thousandths  Numbers up to  ten  million |
| **Addition and Subtraction** | | | | | | | |
| Altogether  Left  Number story | Add  subtract  double  doubling  number patterns  objects  groups  number sentence  take away  how many are left/left  over?  how many have  gone?  one less  how many fewer is …  than …?  how much less is …?  difference between  equals | One step  problem  Concrete  object  Pictorial  representation  Missing number  Problem  Read  Write  Interpret  Equals =  Signs  One-digit  Two-digit  Ones  Mental  Mentally  Inverse  Whole number | Column  addition  Column  Subtraction  Tens  Order  Inverse  Relationship  Calculation  Solve problems  Missing number  problems  Quantities  Measures  Formal Written  method  Mental method  Method  Operation  Apply  Whole number | Three-digit  number  Hundreds  Estimate  Number facts  100 more  increase  adjusting  estimate  boundary  adjust near double  combine  100 less  decrease  exchange  regroup  number sentence  calculate  fact family | Two step  problems  Context  Four-digit number  Roman Numerals  1000 more  1000 less  Thousands  Whole number | Increasingly  large numbers  More than 4  digits  Determine  Context  Multi-step  Problems  One decimal place  Two decimal places  Rounding to/ Round to the nearest | Estimation  Mixed  operations |
| **Multiplication and Division** | | | | | | | |
|  |  | multiplication  multiplied by  multiply  lots of  groups of  scaling  twice  times as ...  array  multiple  count up  share into  division  dividing  grouping  count back  unequal  equal | times table  multiplication  fact family  odd  even  commutative  multiplication fact  multiplication table  repeated addition  multiple of 2  multiple of 5  multiple of 10  multiply  array  row column  inverse  divide, divided by,  divided into  left, left over  repeated subtraction | missing number  scaling  multiplied by  ... times larger/smaller  product  times table facts  fact family  partition  grid  remainder  partition  inverse operation | factor  factor pair  compact method  short multiplication  quotient  divisor  dividend  factors  quotient  divisor  dividend  factors | prime number  composite number  multiple  common factor  common multiple  square number  cube number  squared,  cubed  long multiplication  expanded method  multiplier  compact short  scale down  test of divisibility | approximate  formula  term  order of  operations  precedence  brackets  brackets  balance  order of  operations  precedence |
| **Fractions (including decimals and percentages)** | | | | | | | |
|  |  | Fraction  Half  Equal  parts  One whole  Object  Shape  Quantity  Quarter  Whole | Simple fractions Equivalent Equivalence  Count | Tenths  Unit fractions  Non  - unit  fractions  Numerator  Denominator  Compare  Order  Add  Subtract  Solve problems | Hundredths  Decimal  Decimal place  One decimal  place  Two decimal  places  Round  decimals  Whole number  Common  equivalent  fractions  Decimal  equivalents  Dividing Ones  Tenths  Hundredths  Simple  measure  Money  problems | Thousandths  Multiples  Three decimal places  Per cent  Out of 100  Number of  parts per  hundred  Percentages  Decimal fraction  Mixed numbers  Improper fraction  Proper fraction  Convert  Mathematical  Statements  Multiply  Percentage and decimal  equivalents | Common factors  Common multiples  Decimal fraction  equivalents  Simplest form |
| **Measurement** | | | | | | | |
| bigger  little  smaller  high  low  tall  heavy  big  small  long  longer  longest | Measure  Measurement  Size  Weight  Capacity  Compare  Solve  Problems  Object  Length  long  tall  short  longest  shortest  light  full  empty  more  less | Length  Height  Long  Short  Longer  Shorter  Tall  Double  Half  Mass  Light  Heavier than  Lighter than  Volume  Half  Half full  Quarter  Quicker than  Slower than  Earlier  Later  pound  pence  2p,5p,10p 20p, 50p £1 £2  long hand  short hand  hour  o’clock  half past  half hour  months of the  year  quickest  slowest  tomorrow  yesterday  day  week  month  year  minute  second  calendar  chronological  order  tell the time  Before  After  Next  First  Today  Morning  Afternoon  Evening | Greater than >  Less than <  Equals =  Intervals  Standard units  Estimate  Direction  Temperature  Unit  Scales  Rulers  Thermometers  Measuring  vessels  Metres (m)  Centimetres (cm)  Kilograms (kg)  Grams (g)  Degrees Celsius  Litres (l)  Millilitres (ml)  Symbols  Money  Pounds (£)  Pence (p)  Different combinations  Change  Analogue Clock  Digital Clock  Five past  Ten past  Quarter past  Twenty past  Twenty-five  past  Half past  Twenty-five to  Twenty to  Quarter to  Ten to  Five to | Duration  Convert  Time taken  Nearest minute  Record  Seconds  a.m.  p.m.  noon  midnight  midday  kilometre  add  subtract  millimetres  perimeter  simple 2-D  shapes  analogue  clock  roman  numerals  12-hour  24-hour  Leap year | Estimate  Rectilinear  figure  Area  Rectilinear  shapes  Convert | Square  centimetres  (cm2)  Square metres  (m2)  Irregular shapes  Volume (cm3)  Cubes  Cuboids  Square  numbers  Cube numbers  Metric measure  Metric units  Imperial units  Inches  Pounds  Pints | Decimal  notation  Cubic  centimetres  (cm3)  Cubic metres  (m3)  Cubic  millimetre  (mm3)  Cubic  kilometre (Km3)  Decimal places  formulae  Miles |
| **Geometry-Properties of shapes** | | | | | | | |
| Corners  Straight  Flat  Fat shapes  Round  Square  Rectangle  Circle  Triangle  Side | cube  cuboid  sphere  pyramid  corners  prism  faces  2D shapes  3D shapes  cone | Two Dimensional  Three Dimensional  Pyramid  Cylinder  Edges  Faces  Vertices/vertex | Properties  Compare  Common  Line symmetry  Pentagon  Hexagon  Heptagon  Octagon  Nonagon  Decagon  Polygon  Trapezium  Square-based  pyramid  Triangular  pyramid  Triangular prism  Rectangular  prism  Pentagonal  prism  Hexagonal  prism  Octagonal  prism | Angle  Right angles  Horizontal lines  Vertical lines  Perpendicular  lines  Parallel lines Parallelogram  Quadrilateral  Kite  Rhombus | Lines of  symmetry  Symmetric  figure  Classify  Geometric  shapes  Acute angle  Obtuse angle  isosceles triangle scalene triangle equilateral triangle | Angles  Measure  Degrees  Missing lengths  Missing angles  Regular  polygons  Irregular  polygons  Degrees  Estimate  compare  Reflex angle  Point  Straight line  Multiples | Radius  Diameter  Circumference  Nets |
| **Geometry- Position and Direction** | | | | | | | |
| in front  behind  on top of  under  above  below  next to  in the middle of | Position  Distance  Direction  Move  Movement  Patterns | Half turn  Quarter turn  Three-quarter  turn  Left  Right  Up | Rotation  Right angle  Clockwise  Anti-clockwise  Order  Arrange  Sequence | Angle  Turn  Right angles  Quarter of a  turn  Half-turn  Three quarters  of a turn  Complete turn  Horizontal lines  Vertical lines  Perpendicular  lines | Co-ordinates  Quadrant  Grid  Translate  Translation  Axis  X- axis  Y-axis  Spaces  Unit  Plot  Point  Polygon | Reflection | Four quadrants |
| **Statistics** | | | | | | | |
|  |  | tally chart  pictogram  sort  title  chart | Interpret  Construct  Pictogram  Tally chart  Block diagrams  Horizontal  Vertical x- axis y-axis  key  title  chart title  Simple tables  Ask  Answer  Questions  Counting  Objects  Category  Sort  Quantity  Total  Compare  Data  most/least  popular  most/least  common | Present  Presented  Graph  Statistics  Bar charts  Tables  Solve  One  - step  questions  Two  - step  questions  Information | Time graphs  Comparison  Problems | Timetables  Line graph | Pie chart  Calculate  Mean  Average |
| **Algebra** | | | | | | | |
|  |  | Solve  One  -step  problem  Missing number  Check  Calculate  problem  Sequence  Chronological  Pattern | Inverse  Relationship  Compare  Order  Arrange |  | Perimeter  Algebra  Algebraically | Properties  Deduce  Related facts  Missing lengths  Missing angles | Missing number  Problem  Pairs  Number  sentence  Variables  Combination  Possibility  Equation  Formulae  Generate  Linear number  Sequence  Nth Term |
| **Ratio and Proportion** | | | | | | | |
|  |  |  |  |  |  |  | Ratio Proportion  Size  Quantity  Missing value  Integer  Multiplication  Division  Multiply  Divide  Solve  Problem  Calculate  Percentage  Comparison  Unequal  sharing  Grouping  Fractions  Multiples |