|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Mathematics**  **Key Vocabulary Progression** | | | | | | | | |
|  | **EYFS** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
| **Number**  **and**  **Place Value** | One more  One less  Place  Order  Number  Count  Numbers up to twenty  Number line Pictorial  Answer  Equals  Read  Write | Same as EYFS, plus: | Same as EYFS & Year 1, plus: | Same as EYFS & KS1, plus: | Same as previous year groups, plus: | Same as previous year groups, plus: | Same as previous year groups, plus: |
| Forwards Backwards Numerals  Words  Multiples  Equal to  More than  Less than  Fewer  Most  Least  Identify Represent  Digit  Calculate  Odd  Even  Pattern  Numbers up to one hundred | 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 Roman numeral Numbers up to one thousand | Thousands  Four- digit Negative number One thousand more  One thousand less  Decimal  Decimal place Rounding  Place holder Nearest ten Nearest hundred Nearest thousand  One place  Whole number Integer  Tenths Hundredth | Ten thousands Hundred thousands Millions  Context  Steps of powers Decimal equivalents  Two decimal places Thousandths Numbers up to one million | Intervals across zero  Three decimal places Hundredths Thousandths  Ten thousandths Numbers up to ten million |
| **Addition and Subtraction** | Add Subtract Addition Subtraction  Adding  Subtracting Number  Number line  Single digit  Count on  Count back  Answer  Doubling  Halving  Sharing  Numbers to twenty Check | Same as EYFS, plus: | Same as EYFS & Year 1, plus: | Same as EYFS & KS1, plus: | Same as previous year groups, plus: | Same as previous year groups, plus: | Same as previous year groups, plus: |
| One step problem Concrete object Pictorial representation Missing number Problem  Read  Write  Interpret  Equals =  Signs  One-digit  Two-digit  Ones  Mental  Mentally | Columnar addition Columnar 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 | Two step problems Context  Four-digit | Increasingly large numbers  More than 4 digits Rounding Determine  Context  Multi-step problems | Estimation  Mixed operations |
| **Multiplication**  **and**  **Division** | Sharing  Doubling  Halving number Pattern | Same as EYFS, plus: | Same as EYFS & Year 1, plus: | Same as EYFS & KS1, plus: | Same as previous year groups, plus: | Same as previous year groups, plus: | Same as previous year groups, plus: |
| Multiples  Twos  Fives  Tens  Number  Multiply  Divide Multiplication Division  One step problem  Answer  Concrete object Pictorial representation Arrays  Count  Equals  Write | Multiplication facts Division facts Multiplication tables  Odd numbers  Even numbers Share  Equally  Repeated division  Calculate | Missing number problem  Estimate  Inverse  Formal written method Mathematical statement  Recall  Integer  Two- digit  One- digit | Derived facts Factors  Factor pairs  Scaling problems Three-digit | Decimals  Four-digit  Long multiplication Short division Remainders Context  Common factors Common multiples  Prime numbers Prime factors Composite numbers  Square number Cube number Notation  Squares Cubes | Scale factor  Long division Whole number remainders Fractions  Rounding  Mixed operations |
| **Measure** | Measure Measurement  Size  Weight  Capacity  Compare  Solve Problems Object  Time | Same as EYFS, plus: | Same as EYFS & Year 1, plus: | Same as EYFS & KS1, plus: | Same as previous year groups, plus: | Same as previous year groups, plus: | Same as previous year groups, plus: |
| Length  Height  Long  Short  Longer  Shorter  Tall  Double  Half  Mass  Heavy  Light  Heavier than Lighter than Volume  Full  Empty  More than  Less than  Half  Half full  Quarter  Quicker  Slower  Earlier  Later  Sequence events Chronological order Before  After  Next  First  Today  Yesterday Tomorrow  Morning  Afternoon  Evening  Record  Hours  Minutes  Hour  Half past  O clock  Hands  Clock face  Seconds  Coins  Notes  Dates  Days  Weeks  Months | Greater than >  Less than <  Equals =  Intervals  Standard units Estimate  Direction Temperature  Unit  Scales  Rulers Thermometers Measuring vessels Metres Centimetres Kilograms  Grams  Degrees  Celsius  Litres  Millilitres  Symbols  Money  Pounds (£)  Pence (p)  Different combinations  Change  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  Time taken  Nearest minute Record  Seconds a.m. p.m. Noon  Midnight  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**  **(Position and Direction)** | Position Distance Direction Move Movement Patterns | Same as EYFS, plus: | Same as EYFS & Year 1, plus: | Same as EYFS & KS1, plus: | Same as previous year groups, plus: | Same as previous year groups, plus: | Same as previous year groups, plus: |
| Half turn  Quarter turn  Three-quarter turn Left  Right  Up  Down | Rotation  Right angle Clockwise  Anti-clockwise Order  Arrange  Sequence |  | Co-ordinates Quadrant  Grid  Translate Translation  Axis X- axis  Y-axis Spaces  Unit  Plot  Point  Polygon | Reflection | Four quadrants |
| **Geometry**  **(Properties of Shape)** | Shape Square Rectangle Circle Triangle Sides Straight side Curved side | Same as EYFS, plus: | Same as EYFS & Year 1, plus: | Same as EYFS & KS1, plus: | Same as previous year groups, plus: | Same as previous year groups, plus: | Same as previous year groups, plus: |
| 2-D Shapes  3-D Shapes  Two-Dimensional Three-Dimensional Cuboid  Cube  Pyramid  Cone  Cylinder  Sphere | Properties Compare  Common  Line symmetry Vertical line  Edges  Faces  Vertices  Pentagon  Hexagon  Heptagon  Octagon  Nonagon  Decagon  Kite  Rhombus  Polygon  Square-based pyramid  Triangular pyramid Triangular prism Rectangular prism Pentagonal prism Hexagonal prism Octagonal prism  Octahedron Dodecahedron Tetrahedron Rectangular pyramid Pentagonal pyramid  Hexagonal pyramid Octagonal pyramid | Angle Turn  Right angles Quarter of a turn Half-turn  Three quarters of a turn  Complete turn Horizontal lines Vertical lines Perpendicular lines Parallel lines | Lines of symmetry Symmetric figure Classify  Geometric shapes Quadrilaterals Acute angle  Obtuse angle | Angles  Measure  Degrees  Missing lengths Missing angles Regular polygons Irregular polygons Degrees  Estimate  Compare  Reflex angle  Point  Straight line Multiples | Radius  Diameter Circumference  Nets |
| **Fractions, Decimals and Percentages** |  | Fraction  Half  Equal parts  One whole  Object  Shape  Quantity  Quarter | Same as EYFS & Year 1, plus: | Same as EYFS & KS1, plus: | Same as previous year groups, plus: | Same as previous year groups, plus: | Same as previous year groups, plus: |
| 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 | 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 | Common factors Common multiples Decimal fraction equivalents Simplest form |
| **Statistics** |  |  | Interpret  Construct Pictogram  Tally chart  Block diagrams Horizontal  Vertical  X- axis Y-axis  Key  Title  Chart  Simple tables  Ask  Answer  Questions  Counting  Objects  Category  Sort  Quantity  Total  Compare  Data | Same as KS1, plus: | Same as previous year groups, plus: | Same as previous year groups, plus: | Same as previous year groups, plus: |
| 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 | Same as Year 1, plus: |  | Same as previous year groups, plus: | Same as previous year groups, plus: | Same as previous year groups, plus: |
| Inverse Relationship Compare  Order  Arrange  Pattern | Perimeter  Algebra Algebraically | Properties Rectangles  Deduce  Related facts Missing lengths Missing angles | Missing number Problem  Pairs  Number sentence Variables Combination Possibility Enumerate Equation  Formulae  Generate  Linear number sequence |
| **Ratio**  **and**  **Proportion** |  |  |  |  |  |  | Ratio  Proportion  Size  Quantity  Missing value Integer Multiplication Division  Multiply  Divide  Solve  Problem  Calculate Percentage Comparison Unequal sharing Grouping  Fractions  Multiples |