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| **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 | OnesTens 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 moreone hundred moreten less one hundred less Roman numeral Numbers up to one thousand | ThousandsFour- 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-digitTwo-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 ContextFour-digit | Increasingly large numbers More than 4 digits Rounding Determine Context Multi-step problems | EstimationMixed 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 problemAnswer Concrete object Pictorial representation Arrays Count Equals Write | Multiplication facts Division facts Multiplication tables Odd numbers Even numbers Share EquallyRepeated divisionCalculate | Missing number problem Estimate Inverse Formal written method Mathematical statement Recall Integer Two- digitOne- digit | Derived facts Factors Factor pairs Scaling problems Three-digit | Decimals Four-digitLong multiplication Short division Remainders Context Common factors Common multiplesPrime numbers Prime factors Composite numbers Square number Cube number Notation Squares Cubes | Scale factorLong 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 LaterSequence 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 CoinsNotes 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 combinationsChange Five past Ten past Quarter past Twenty past Twenty-five past Half past Twenty-five to Twenty to Quarter to Ten to Five to | DurationTime taken Nearest minute Record Seconds a.m. p.m. Noon Midnight KilometreAddSubtract 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 UpDown | Rotation Right angle Clockwise Anti-clockwise Order Arrange Sequence |  | Co-ordinates Quadrant Grid Translate Translation Axis X- axisY-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 prismOctahedron 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** |  | FractionHalf 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 SubtractSolve problems | Hundredths Decimal Decimal place One decimal place Two decimal places Round decimals Whole number Common equivalent fractions Decimal equivalents DividingOnes 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 ChartSimple tables Ask Answer Questions Counting Objects Category SortQuantity 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 CompareOrder 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 FormulaeGenerate 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 |