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| Maths Key Stage 1 Standard |
| **S****T****A****G** **E** | AUTUMN 1 | AUTUMN 2 | SPRING 1 | SPRING 2 | SUMMER 1 | SUMMER 2 |
| NUMBER | MEASURE | GEOMETRY | NUMBER | MEASURE | GEOMETRY | NUMBER | MEASURE | GEOMETRY | NUMBER | MEASURE | GEOMETRY | NUMBER | MEASURE | GEOMETRY | NUMBER | MEASURE | GEOMETRY |
| 1 | Number & place value: Count to 100, write 1-20. | Length & height: Compare and measure. | Properties of 2D shapes: Rectangles, circles, triangles. | Addition: signs, 1/2 digits to 20, problems. | Mass & weight: Compare and measure. | Properties of 3D shapes: Cuboids, pyramids, spheres. | Subtraction: Signs, one/two digit to 20, problems. | Capacity & volume: Compare and measure. | Comparing 2D and 3D shapes: Differences, everyday objects. | Multiplication: One –step problems. | Time: Half past and hour, sequence. | Position: Language (top, middle bottom etc). | Division: One-step problems. | Date: Sequence, language – days, weeks etc. | Direction: Language (left right etc). | Fractions: Halves and quarters. | Money: Value coins up to 10p. | Movement: Quarter, half and 3 quarter turn. |
| 2 | Number & place value: Count in 2, 3, 5, 10 to 100. Order, compare, estimate. | Length, height & statistics: Compare, measure, estimate, units, interpret. | Properties of 2D shapes: Sides and line of symmetry. | Addition: Concrete, written, 2 digit numbers, three 1 digit numbers. | Mass, weight & Statistics: Compare, measure, estimate, units, construct. | Properties of 3D shapes: edges vertices and faces. | Subtraction: Concrete, written, 2 digit numbers, three 1 digit numbers. | Capacity , volume & Statistics: Compare, measure, estimate, units, ask. | Comparing 2D and 3D shapes: 2D shapes on 3D shapes, sort. | Multiplication: 2,5 and 10, odd/even, symbols,. | Time: & Stats Minutes, hours, 5 past, quarter past, Answer questions. | Position: Patterns and sequences. | Division: 2,5 and 10, odd/even, symbols. | Date & Statistics: Compare, sequence intervals of time, totals. | Direction: Clockwise, anti-clockwise | Fractions: 1/3 , ¼, 2/4, ¾, Write fractions 1/3. | Money & Statistics: Combinations of coins, £ and p, change, compare. | Movement: Rotation, right angles |
| Maths Key Stage 2 Standard |
| **S****T****A****G****E** | AUTUMN 1 | AUTUMN 2 | SPRING 1 | SPRING 2 | SUMMER 1 | SUMMER 2 |
| NUMBER | MEASURE | GEOMETRY | NUMBER | MEASURE | GEOMETRY | NUMBER | MEASURE | GEOMETRY | NUMBER | MEASURE | GEOMETRY | NUMBER | MEASURE | GEOMETRY | NUMBER | MEASURE | GEOMETRY |
| 3 | Number & place value: Count in 4, 8, 50 and 100. Compare and order up to 1000. | Length, height&Statistics: Measure, compare, add and subtract, units.  | Properties of 2D shapes: Draw 2D shapes, measure perimeter of 2D shapes. | Addition: One, tens and hundredths. Written, mental, check and problems. | Mass & weight & Statistics: Measure, compare, add and subtract, units. | Properties of 3D shapes: Make 3D shapes using modelling materials. | Subtraction: One, tens and hundredths. Written, mental, check and problems. | Capacity & volume Statistics: Measure, compare, add and subtract, units. | Comparing 2D and 3D shapes: Recognise 2D and 3D shapes in different orientations.  | Multiplication: 3, 4 and 8. 2 digit and 1 digit problems. | Time /Statistics: Tell time Roman, 12/ 24 hour, estimate , record and compare . | Position: Horizontal, vertical, perpendicular and parallel lines | Division: 3, 4 and 8. 2 digit and 1 digit mental and written problems. | Date / Statistics: Seconds in a minute, days in month, etc compare durations of events. | Direction: Angles as a property of shape or a description of a turn. | Fractions: Count fractions in tenths, order fractions, turn objects in fractions, add. | Money/Statistics: Add and subtract amounts of money , use £ and p in practical contexts. | Movement: Right angles, two make a half-turn, and four a complete turn |
| 4 | Number & place value: Count in 6, 7, 9 25 and 1000. Compare and order numbers. Round 10, 100, 1000. | Length, height&Statistics: Convert measurements, measure perimeter, area. | Properties of 2D shapes: Lines of symmetry, complete a symmetric figure. | Addition: 4 digit column method. Estimate use inverse. Two step problems. | Mass & weight Statistics: Convert estimate, compare calculate. Interpret, solve problems. | Properties of 3D shapes: Compare and classify shapes. | Subtraction: 4 digit column method. Estimate use inverse. Two step problem. | Capacity & volume Statistics: Convert estimate, compare calculate. Interpret, solve problems. | Comparing 2D and 3D shapes: Compare and classify shapes. | Multiplication: 12x table, Multiply 0, 1, 2 and 3 digits. | Time /Statistics: Convert estimate, compare calculate. Interpret, solve problems. | Position: Positions on a 2-D grid as coordinates. Plot points and draw sides to complete a polygon. | Division: 12x table, Divide by 0, 1 2 and 3 digits.. | Date / Statistics: Convert estimate, compare calculate. Interpret, solve problems. | Direction: Compare and order angles. Acute and obtuse angles. | Fractions: Round decimals, add and minus fractions. Write equivalents. | Money/Statistics: Column addition, change and difference | Movement: Describe movements as translations left/right up/down. |
| 5 | Number & place value: Numbers up to 1,000,000, rounding and Roman Numerals | Length, height&Statistics: Convert metrics, use equivalent measures. Calculate area and volume., tables. | Properties of 2D shapes: Compare regular and irregular polygons | Addition: Sums with 4 digits, rounding to check, multi-step problems. | Mass & weight Statistics: Convert metrics, use equivalent measures. Problem solve use inverse to check. Sum and difference | Properties of 3D shapes: Identify 3D shapes form 2D representations. | Subtraction: Calculations with 4 digits, rounding to check, multi-step problems. | Capacity & volume Statistics: Convert metrics, use equivalent measures. Problem solve use inverse to check. Line graph | Comparing 2D and 3D shapes: Know acute and obtuse, right angles measure | Multiplication: Multiples, factors. Prime numbers up to 100. Multiply 4 digits by 2 digits. Decimals, square numbers | Time /Statistics: Convert metrics, use equivalent measures. Problem solve use inverse to check. Timetables | Position: Identify, describe and represent translations | Division: Multiples and factors. Prime numbers up to 100. Divide 4 digits by up to 2 digits. Decimals, square numbers. | Date / Statistics: Convert metrics, use equivalent measures. Problem solve use inverse to check. Read dates. | Direction: Identify describe and represent reflections | Fractions: Order, equivalent, add and subtract, write as decimals, percentages round numbers. | Money/Statistics: Column addition/subtraction. Decimal place. Compare prices. | Movement: Identify angles at a point. |
| 6 | Algebra/ Number & place value: Numbers up to 10,000,000, round whole numbers, use negative numbers, problem solve | Length, height&Convert units of measure to 3 decimal places, Miles- KM Statistics: interpret pie charts | Properties of 2D shapes: Draw 2D shapes given dimensions and angles, area | Algebra/ Addition: mental calculations, multi step problems, operations order, method and why. estimate | Mass & Weight Statistics: Convert units of measure to 3 decimal places, Interpret line graphs | Properties of 3D shapes: Recognise, describe and build 3D shapes – nets, volume | Algebra/Subtraction: mental calculations, multi step problems, operations order, method and why, estimate. | Capacity & volume Statistics: Convert units of measure to 3 decimal places, construct pie charts | Comparing 2D and 3D shapes: Compare and classify shapes, illustrate parts of a circle, find angles | Algebra/ Multiplication: factors, multiples, prime, 4 digits by 2 digits long multiplication, estimate. | Time /Statistics: Convert units of measure to 3 decimal places, construct line graphs | Position: Describe position as full coordinate grid (four quadrants) Translation | Algebra/ Division: divide 4 digits by 2 digits written method, divide interpreting fractions, decimals and remainders, estimate. | Ratio/Proportion: Relative sizes of two quantities, calculate percentages, scale factor | Direction: Draw simple shapes, reflect in the axes. (4 quadrant) | Fractions: factors to simply, compare and order, add/subtract/multiply/divide, decimal - fraction | Money/Statistics: Mental strategies, decimal places | Movement: recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles. |
| Maths Key Stage 3 Standard |
| **S**TAGE | AUTUMN 1 | AUTUMN 2 | SPRING 1 | SPRING 2 | SUMMER 1 | SUMMER 2 |
| NUMBER | PROBABILITY | GEOMETRY & MEASURES  | ALGEBRA | STATISTICS | RATIO, PROPORTION AND RATES OF CHANGE  | NUMBER | PROBABILITY | GEOMETRY & MEASURES  | ALGEBRA | STATISTICS | RATIO, PROPORTION AND RATES OF CHANGE  | NUMBER | PROBABILITY | GEOMETRY & MEASURES  | ALGEBRA | STATISTICS | RATIO, PROPORTION AND RATES OF CHANGE  |
| 7 | INTEGERS & FOUR OPERATIONS: decimals, order, prime numbers, factors, use inverse to check | FREQUENCY OF OUTCOMES& SUM=1: Probability scale 0-1 | PROPERTIES OF 2D & 3D SHAPES: Draw, Faces, edges, vertices, symmetry, parallel lines.  | INTERPRETATION: Understanding algebraic notation | MEAN, MODE & MEDIAN: Describe grouped data | RATIO: Dividing quantities into parts  | FRACTIONS, DECIMALS & PERCENTAGES: standard units, rounding decimals, parts of 100. | SETS: present data in tables. | CALCULATING AREA & PERIMETER OF SHAPES: 2D shapes  | EXPRESSION: Understanding algebraic expressions | TABLES, CHARTS & DIAGRAMS :Group data in tables, charts. | PROPORTION: understanding proportions  | R ROUNDING, ESTIMATING AND CALCULATING: Place value ordering and comparing. | CALCULATE PROBABILITIES: Single events construct on grid | ANGLES AND COORDINATES: angle properties, coordinates and polygons  | EQUATION: Understanding formulae | GRAPHS: Identify relationships in data | RATES OF CHANGE: Percentage change  |
| 8 | INTEGERS & FOUR OPERATIONS: decimals, order, prime numbers, factors, use inverse to check, powers. | FREQUENCY OF OUTCOMES & SUM=1: Record, describe equal and unequal.. | PPROPERTIES OF 2D & 3D SHAPES: Draw, Faces, edges, vertices, symmetry, parallel lines., rotation, reflections unequal. | RATIO: understanding multiplicative quantities as ratios | INTERPRETATION: Creating algebraic notation  | MEAN, MODE & MEDIAN: Describe and interpret grouped data | FRACTIONS, DECIMALS & PERCENTAGES: standard units, rounding decimals, comparing. | SETS: present data in grids. | CALCULATING PERIMETER OF SHAPES: 3D shapes  | EXPRESSION: Simplifying algebraic expressions | TABLES, CHARTS & DIAGRAMS: Group data in line and bar charts | PROPORTION: Demonstrating proportions  | R ROUNDING, ESTIMATING AND CALCULATING: Rounding integers and decimals. | CALCULATE PROBABILITIES: Dual events | ANGLES AND COORDINATES: similarity and congruence polygons and perimeter  | EQUATION: Using formulae | GRAPHS: Describe relationships in data | RATES OF CHANGE: Percentage increase and decrease  |
| 9 | INTEGERS & FOUR OPERATIONS: decimals, order, prime numbers, factors, use inverse to check, powers, root, brackets. BIDMAS | FREQUENCY OF OUTCOMES & SUM=1: Record, describe analyse , all equal sum of 1. | PPROPERTIES OF 2D & 3D SHAPES: Draw, symmetry, parallel /perpendicular lines., rotation, reflections, translations | RATIO: notation to simplest form | INTERPRETATION: Substituting algebraic notation  | MEAN, MODE, RANGE & MEDIAN; Describe, interpret & compare grouped data | FRACTIONS, DECIMALS & PERCENTAGES: standard units, rounding decimals, comparing, converting. | SETS: present data in Venn diagrams | CALCULATING VOLUME OF SHAPES: 3D Shapes  | EXPRESSION: Manipulating algebraic expressions | TABLES, CHARTS & DIAGRAMS: Group data in pie charts & pictograms | PROPORTION: Solving proportion problems  | ROUNDING, ESTIMATING AND CALCULATING: Estimating calculations by rounding | CALCULATE PROBABILITIES: Multiple events. | ANGLES AND COORDINATES: , Pythagoras theorem polygons , perimeter and area. | EQUATION: Rearranging formulae  | GRAPHS: Represent data in a  | RATES OF CHANGE: Use graphs to show increase or decrease proportion scatter graph. |