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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**  T  A  G  E | 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. |