#theJSway

Year 6 – Small steps

Autumn Term

Place Value

Step 1 - Numbers to 1,000,000
Step 2 - Numbers to 10,000,000
Step 3 - Read and write numbers to 10,000,000
Step 4 - Powers of 10
Step 5 - Number line to 10,000,000
Step 6 - Compare and order any integers
Step 7 - Round any integer
Step 8 - Negative numbers

Addition, Subtraction, Multiplication & Division

Step 1 - Add and subtract integers
Step 2 - Common factors
Step 3 - Common multiples
Step 4 - Rules of divisibility
Step 5 - Primes to 100
Step 6 - Square and cube numbers
Step 7 - Multiply up to a 4-digit number by a 2-digit number
Step 8 - Solve problems with multiplication
Step 9 - Short division
Step 10 - Division using factors
Step 11 - Introduction to long division
Step 12 - Long division with remainders
Step 13 - Solve problems with division
Step 14 - Solve multi-step problems
Step 15 - Order of operations
Step 16 - Mental calculations and estimation
Step 17 - Reason from known facts

Fractions A

Step 1 - Equivalent fractions and simplifying
Step 2 - Equivalent fractions on a number line
Step 3 - Compare and order (denominator)
Step 4 - Compare and order (numerator)
Step 5 - Add and subtract simple fractions
Step 6 - Add and subtract any two fractions
Step 7 - Add mixed numbers
Step 8 - Subtract mixed numbers
Step 9 - Multi-step problems

Fractions B

Step 1 - Multiply fractions by integers
Step 2 - Multiply fractions by fractions
Step 3 - Divide a fraction by an integer
Step 4 - Divide any fraction by an integer
Step 5 - Mixed questions with fractions
Step 6 - Fraction of an amount
Step 7 - Fraction of an amount – find the whole

Year 6 – Small steps

Measurement: Converting Units

Step 1 - Metric measures
Step 2 - Convert metric measures
Step 3 - Calculate with metric measures
Step 4 - Miles and kilometres
Step 5 - Imperial measures

#theJSway

Year 6 – Small steps

Spring Term

Ratio

Step 1 - Add or multiply?
Step 2 - Use ratio language
Step 3 - Introduction to the ratio symbol
Step 4 - Ratio and fractions
Step 5 - Scale drawing
Step 6 - Use scale factors
Step 7 - Similar shapes
Step 8 - Ratio problems
Step 9 - Proportion problems
Step 10 - Recipes

Algebra

Step 1 - 1-step function machines
Step 2 - 2-step function machines
Step 3 - Form expressions
Step 4 - Substitution
Step 5 - Formulae
Step 6 - Form equations
Step 7 - Solve 1-step equations
Step 8 - Solve 2-step equations
Step 9 - Find pairs of values
Step 10 - Solve problems with two unknowns

Decimals

Step 1 - Place value within 1
Step 2 - Place value - integers and decimals
Step 3 - Round decimals
Step 4 - Add and subtract decimals
Step 5 - Multiply by 10, 100 and 1,000
Step 6 - Divide by 10, 100 and 1,000
Step 7 - Multiply decimals by integers
Step 8 - Divide decimals by integers
Step 9 - Multiply and divide decimals in context

Fractions, Decimals & Percentages

Step 1 - Decimal and fraction equivalents
Step 2 - Fractions as division
Step 3 - Understand percentages
Step 4 - Fractions to percentages
Step 5 - Equivalent fractions, decimals and percentages
Step 6 - Order fractions, decimals and percentages
Step 7 - Percentage of an amount – one step
Step 8 - Percentage of an amount – multi-step
Step 9 - Percentages – missing values

#theJSway

Year 6 – Small steps

Measurement: Area, Perimeter & Volume

Step 1 - Shapes – same area
Step 2 - Area and perimeter
Step 3 - Area of a triangle – counting squares
Step 4 - Area of a right-angled triangle
Step 5 - Area of any triangle
Step 6 - Area of a parallelogram
Step 7 - Volume – counting cubes
Step 8 - Volume of a cuboid

Statistics

Step 1 - Line graphs
Step 2 - Dual bar charts
Step 3 - Read and interpret pie charts
Step 4 - Pie charts with percentages
Step 5 - Draw pie charts
Step 6 - The mean

#theJSway

Year 6 – Small steps

Summer Term

Geometry: Shape

Step 1 - Measure and classify angles
Step 2 - Calculate angles
Step 3 - Vertically opposite angles
Step 4 - Angles in a triangle
Step 5 - Angles in a triangle – special cases
Step 6 - Angles in a triangle – missing angles
Step 7 - Angles in a quadrilateral
Step 8 - Angles in polygons
Step 9 - Circles
Step 10 - Draw shapes accurately
Step 11 - Nets of 3-D shapes

Geometry: Position & Direction

Step 1 - The first quadrant
Step 2 - Read and plot points in four quadrants
Step 3 - Solve problems with coordinates
Step 4 - Translations
Step 5 - Reflections