Autumn Term					
Week 1	**Week 2**	**Week 3**	**Week 4**	**Week 5**	**Week 6**
Block 1: Place Value		**Block 2: Addition, subtraction, multiplication and division**			
Small Steps ●Numbers to 1,000,000 ●Numbers to 10,000,000 ●Exploring numbers to 10,000,000 ●Read and write numbers to 10,000,000 ●Powers of ten	●Number lines to 10,000,000 ●Compare and order any integers ●Round any integer ●Negative numbers	●Add and subtract integers ●Solve problems with addition and subtraction ●Find common factors ●Find common multiples ●Recognise rules of divisibility	●Identify prime numbers to 100 ●Explore square and cube numbers ●Multiply by a 1-digit number ●Multiply up to a 4-digit number by a 2-digit number ●Solve problems with multiplication	●Divide using short division ●Divide with remainders ●Divide using factors ●Divide using long division ●Divide using long division with remainders	●Solve division problems ●Solve multi-step problems ●Know the order of operations
National Curriculum ●Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit ●Round any whole number to a required degree of accuracy ●Use negative numbers in context, and calculate intervals across zero ●Solve number and practical problems that involve the above		●Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication ●Divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context ●Divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context ●Perform mental calculations, including with mixed operations and large numbers ●Identify common factors, common multiples and prime numbers ●Use their knowledge of the order of operations to carry out calculations involving the four operations ●Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why ●Solve problems involving addition, subtraction, multiplication and division			

	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
	Autumn Term					
	Block 2: Addition, subtraction, multiplication and division	Block 3: Fractions		Block 4: Fractions (calculations)		Block 5: Measurement – Converting units
Small Steps	●Use mental calculations ●Use estimation ●Reason using known facts	●Identify equivalent fractions and simplify fractions ●Use number lines to find equivalent fractions ●Compare and order fractions by denominator ●Compare and order fractions by numerator ●Add and subtract simple fractions	●Add and subtract any two fractions ●Add mixed numbers ●Subtract mixed numbers ●Solve multi-step problems involving fractions	●Multiply fractions by integers ●Multiply fractions by fractions ●Divide a fraction by an integer ●Divide any fraction by an integer	●Solve mixed questions with fractions ●Find a fraction of an amount ●Find the whole	●Use metric measures ●Convert metric measures ●Calculate with metric measures ●Convert miles and kilometres ●Explore and convert imperial measures
National Curriculum	• Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy • Perform mental calculations, including with mixed operations and large numbers • Solve problems involving addition, subtraction, multiplication and division	• Compare and order fractions, including fractions > 1 • Use common factors to simplify fractions; use common multiples to express fractions in the same denomination • Identify common factors, common multiples and prime numbers • Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions • Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why • Solve problems involving addition, subtraction, multiplication and division		• Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions • Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams (Y5) • Multiply simple pairs of proper fractions, writing the answer in its simplest form • Divide proper fractions by whole numbers • Solve problems involving addition, subtraction, multiplication and division • Associate a fraction with division and calculate decimal fraction equivalents		• Solve problems involving the calculation and conversion of units of measure, using decimal notation up to 3 decimal places where appropriate • Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation up to 3 decimal places

Spring Term

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
	Block 1: Ratio		**Block 2: Algebra**		**Block 3: Decimals**	
Small Steps	• Explore relationships between numbers • Use ratio language • Understand and use the ratio symbol • Explore ratios and fractions • Solve problems with scale drawings	● Use scale factors ● Solve problems with similar shapes ● Solve ratio problems ● Solve proportion problems ● Solve recipe problem	● Explore one-step function machines ● Explore two-step function machines ● Form expressions ● Use substitution ● Use formulae	● Form equations ● Solve one-step equations ● Solve two-step equations ● Find pairs of values ● Solve problems with two unknowns	● Explore decimals within 1 ● Explore decimals greater than 1 ● Round decimals ● Add and subtract decimals ● Multiply by 10, 100 and 1000	● Divide by 10, 100 and 1000 ● Multiply decimals by integers ● Divide decimals by integers ● Multiply and divide decimals in context
National Curriculum	● Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts ● Solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison ● Solve problems involving similar shapes where the scale factor is known or can be found ● Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples.		● Use simple formulae ● Generate and describe linear number sequences ● Express missing number problems algebraically ● Find pairs of numbers that satisfy an equation with two unknowns ● Enumerate possibilities of combinations of two variables.		● Identify the value of each digit in numbers given to 3 decimal places and multiply and divide numbers by 10, 100 and 1,000 giving answers up to 3 decimal places ● Multiply 1-digit numbers with up to 2 decimal places by whole numbers ● Use written division methods in cases where the answer has up to 2 decimal places ● Solve problems which require answers to be rounded to specified degrees of accuracy ● Solve problems involving addition, subtraction, multiplication and division ● Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why	

Spring Term

	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
	Block 3: Fractions, decimals and percentages		Block 4: Area, perimeter and volume		Block 5: Statistics	
Small Steps	●Find equivalent decimals and fractions ●Explore fractions as division ●Understand percentages ●Convert fractions to percentages ●Find equivalent fractions, decimals and percentages	●Order fractions, decimals and percentages ●Find a percentage of an amount (one step) ●Find a percentage of an amount (multi-step) ●Find a whole number from a percentage	●Identify shapes with the same area ●Find the area and the perimeter ●Find the area of a triangle by counting squares ●Find the area of a right-angled triangle ●Find the area of any triangle	●Find the area of a parallelogram ●Calculate volume by counting cubes ●Calculate the volume of a cuboid	●Interpret line graphs ●Draw line graphs ●Interpret dual bar charts ●Draw dual bar charts ●Read and interpret pie charts	●Interpret pie charts with percentages ●Draw pie charts ●Calculate and interpret the mean
National Curriculum	● Use common factors to simplify fractions; use common multiples to express fractions in the same denomination ● Associate a fraction with division and calculate decimal fraction equivalents for a simple fraction ● Compare and order fractions, including fractions >1 ● Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts ● Solve problems involving the calculation of percentages and the use of percentages for comparison		●Recognise that shapes with the same areas can have different perimeters and vice versa ●Recognise when it is possible to use formulae for area and volume of shapes ●Calculate the area of parallelograms and triangles ●Calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm3) and cubic metres (m3), and extending to other units		●Interpret and construct pie charts and line graphs and use these to solve problems ●Calculate and interpret the mean as an average	

	Summer Term					
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
	Block 1: Shape			Block 2: Geometry - Position and direction	Block 3: Consolidation and revision	
Small Steps	●Classify angles ●Measure angles ●Calculate angles ●Investigate vertically opposite angles	●Measure and calculate angles in a triangle ●Find missing angles in different types of triangles ●Find missing angles ●Explore angles in quadrilaterals ●Explore angles in polygons	●Identify and calculate parts of a circle ●Draw 2-D shapes accurately ●Explore nets of 3-D shapes	●Read and plot coordinates in the first quadrant ●Read and plot coordinates in four quadrants ●Solve problems with coordinates ●Explore translations ●Explore reflections	Consolidation and revision of previous small steps based on identified gaps in knowledge and the needs of the pupils.	
National Curriculum	●Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles ●Draw given angles, and measure them in degrees (°) (Y5) ●Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles (Y5) ●Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons ●Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius ●Draw 2-D shapes using given dimensions and angles ●Recognise, describe and build simple 3-D shapes, including making nets			●Describe positions on the full coordinate grid (all four quadrants) ●Draw and translate simple shapes on the coordinate plane, and reflect them in the axes	Dependent on the focus objectives selected for this block.	

	Summer Term					
	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
	Block 4: Problem solving		Block 5: Maths projects			Block 6: KS3 Transition
Small Steps	•	•	•	•	•	•
	To be confirmed					
National Curriculum	•		•	•		•
	To be confirmed					