Y5	Week 1	Week 2	Week 3	Week 4 & 5	Week 6	Week 7
Autumn T1	**Number- Place Value** Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000. Read, write numbers to at least 1 000 000 Determine the value of each digit to at least 1 000 000	**Number –Addition and Subtraction** Add and subtract numbers mentally with increasingly large numbers. Add whole numbers with more than 4 digits, including using formal written methods. Subtract whole numbers with more than 4 digits, including using formal written methods.	**Number –Multiplication and Division** Multiply and divide numbers mentally drawing upon known facts. Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000. Multiply numbers up to 4 digits by a 1 number using a formal written method. Multiply numbers up to 4 digits by a 2-digit number using a formal written method.	**Measurement** Convert between different units of metric measure (e.g. km & m; cm & m; cm & mm; g & kg; l & ml). Use approx. equivalences between metric and imperial units (e.g. inches, pounds & pints). Use all four operations to solve problems involving measure (e.g. length, mass, volume, money) using decimal notation including scaling.	**Geometry-properties of shape** Identify 3D shapes, including cubes and other cuboids, from 2D representations.	**Statistics** Complete, read and interpret information in tables, including timetables.

Y5	Week 1	Week 2	Week 3 & 4	Week 5	Week 6	Week 7
Autumn T2	**Number- Place Value** Count forwards and backwards with positive and negative whole numbers, including through zero. Interpret negative numbers in context. Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10,000 and 100 000	**Number –Addition and Subtraction** Use rounding to check answers to calculations and determine levels of accuracy. Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.	**Measurement** Estimate volume (e.g. using 1 cm blocks to build cubes/cuboids) and capacity (e.g. using water). Measure & calculate the perimeter of composite rectilinear shapes in cm/m and representing algebraically. Calculate and compare the area of squares/rectangles using standard units, square cm/m.	**Number –Multiplication and Division** Identify multiples and factors. Find all factor pairs of a number Find common factors of 2 numbers Divide numbers up to 4 digits by a 1-digit number using the formal written method of short division and interpret remainders. Divide numbers up to 4 digits by a 2-digit number using the formal written method of short division and interpret remainders.	**Geometry-properties of shape** Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles. Identify: angles at a point and one whole turn (total 360^0); angles at a point on a straight line and ½ a turn (total 180^0); other multiples of 90^0.	**Statistics** Read and interpret information presented in a line graph.

Y5	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Spring T1	**Number- Fractions + Decimals** Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths. Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents. Read and write decimal numbers as fractions (e.g. 0.72 = $^{72}/_{100}$). Read, write, order and compare numbers with up to three decimal places Compare and order fractions whose denominators are all multiples of the same number.		**Geometry –position and direction** Identify and describe the position of a shape following a reflection or translation, using the appropriate language and know that the shape has not changed. Identify and represent the position of a shape following a reflection or translation	**Number –Multiplication and Division** Recognise and use square numbers and cube numbers, and the notation for squared and cubed. Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers. Establish whether a number up to 100 is prime and recall prime numbers up to 19 Solve problems involving multiplication and division including their knowledge of factors and multiples, square and cubes.	**Statistics Statistics** Solve comparison, sum and difference problems using information presented in a line graph.	**Measurement** Estimate the area of irregular shapes.

Y5	Week 1	Week 2	Week 3	Week 4	Week 6
Spring T2	**Number –Fractions including decimals** Recognise mixed numbers and improper fractions and convert from one form to the other. Write mathematical statements > 1 as a mixed number.	**Geometry-Properties of shape** Distinguish between regular and irregular polygons based on reasoning about equal sides and angles. Use the properties of rectangles to deduce related facts and find missing lengths and angles.	**Number –Fractions and Percentages** Add and subtract fractions with the same denominator and denominators that are multiples of the same number. Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams. Recognise the percent symbol (%) and understand that percent relates to 'number of parts per hundred'. Write percentages as a fraction with denominator 100. Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates.		**Measurement** Solve problems involving converting between units of time.

Y5	Week 1 and 2	Week 3	Week 4	Week 5	Week 6
Summer T1	**Number- Fractions and Percentages** Write percentages as a fraction and a decimal. Solve problems which require knowing of percentage and decimal equivalents of ½, ¼, ⅕, ⅖, ⅘. Solve problems with a denominator of a multiple of 10 or 25.	**Measurement** Solve problems involving area, perimeter and volume.	**Geometry-Properties of Shape** Draw given angles, and measure them in degrees.	**Statistics** Read and interpret information presented on a line graph and on timetables.	**Number –Fractions and decimals** Solve problems involving number up to three decimal places. Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign.

Y5	Week 1 and Week 2	Week 3 and Week 4	Week 5	Week 6
Summer T2	**Number- Fractions, decimals and percentages** Consolidate and revisit gaps in learning. Solve problems involving fraction, percentage and decimal equivalents	**Measurement** Consolidate and revisit gaps in learning. Investigation involving measures Use all four operations to solve problems involving measure (e.g. length, mass, volume, money) using decimal notation including scaling.	**Geometry** Consolidate and revisit gaps in learning. Investigation involving Geometry. Solve problems involving property of shapes, including lines and angles.	**Statistics** Consolidate and revisit gaps in learning. Investigation involving statistics. Solve comparison, sum and difference problems using information presented in a line graph.