Y6	Week 1	Week 2	Week 3 & Week 4	Week 5	Week 6	Week 7
Autumn T1	**Number- Place Value** Read, write, order and compare numbers up to 10 000 000. Determine the value of each digit for numbers up to 10 000 000.	**Number – Multiplication and Division** Add and subtract numbers with more than 4 digits. Solve problems involving addition and subtraction. Identify common multiples. Multiply numbers up to 4 digits by a 2-digit whole number using the formal written method of long multiplication. Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.	**Measurement** Use, read, write & convert between standard units of measure, converting length, mass & volume from smaller to larger units, and vice versa, using decimal notation to up to 3 decimal places. Convert between miles and kilometres. Recognise that shapes with the same areas can have different perimeters and vice versa.	**Number –Fractions** Use common factors to simplify fractions. Use common multiples to express fractions in the same denomination. Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions Compare and order fractions, including fractions below 1	**Geometry-position and direction** Describe positions on the full coordinate grid (all four quadrants). Draw and translate simple shapes on the coordinate plane. Reflect simple shapes on the coordinate plane in the axes.	**Statistics** Calculate and interpret the mean as an average

Y6	Week 1	Week 2	Week 3 & 4	Week 5	Week 6	Week 7
Autumn T2	**Number- Place Value** Round any whole number up to 10 000 000 to a required degree of accuracy. Use negative numbers in context, and calculate intervals across zero.	**Number – Multiplication and Division** Identify common factors and prime numbers. Divide numbers up to 4 digits by a 2-digit whole number using the formal written method of short division, where appropriate and interpreting remainders. Divide numbers up to 4 digits by a 2-digit whole number using the formal written method of long division and interpret remainders as whole number remainders, fractions or by rounding as appropriate. Perform mental calculations including with mixed operations an large numbers.	**Measurement** Calculate the area of parallelograms and triangles. Calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetre (cm3) and cubic metres (m3), and extending to other units (mm3 and km3).	**Ratio and Proportion** Solve problems involving the calculation of percentages (e.g. of measures) such as 15% of 360 and the use of percentages for comparison	**Geometry-properties of shape** Draw 2-D shapes using given dimensions and angles. Recognise, describe and build simple 3-D shapes, including making nets Compare and Classify geometric shapes based on their properties and sizes	**Statistics** Interpret line graphs. Use line graphs to solve problems.

Y5	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Spring T1	**Number- Fractions and decimals** Identify the value of each digit to three decimal places Multiply numbers by 10, 100 and 1000 where the answers are up to three decimal places. Divide numbers by 10, 100 and 1000 where the answers are up to three decimal places. Multiply one-digit numbers with up to two decimal places by whole numbers. Use written division methods in cases where the answer has up to two decimal places. Multiply simple pairs of proper fractions and writing the answer in its simplest form (e.g. ¼ x ½ = ⅛). Divide proper fractions by whole numbers (e.g. ⅓ ÷ 2 = ⅙). Solve problems involving multiplication and division. Use estimation to check answers to calculations and determine an appropriate degree of accuracy. Round to the nearest decimal.		**Geometry –properties and shape** Illustrate and name parts of circles, including radius, diameter and circumference Know that the diameter is twice the radius.	**Number –Multiplication and Division** Use knowledge of the order of operations to carry out calculations involving the four operations. Solve problems involving multiplication, division addition and subtraction. Use estimation to check answers to calculations and determine in context of a problem, an appropriate degree of accuracy.	**Statistics** Interpret pie charts. Use pie charts to solve problems. Construct Pier Charts	**Measurement** Recognise when it is possible to use formulae for area and volume of shapes. Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate.

Y6	Week 1	Week 2	Week 3 and Week 4	Week 5 and Week 6
Spring T2	**Number –Fractions including decimals** Associate a fraction with division and calculate decimal fraction equivalents (e.g. 0.375) for a simple fraction (e.g. $\frac{3}{8}$) Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts. Solve problems which require answers to be rounded to a specified degree of accuracy.	**Geometry-Properties of shape** Find unknown angles in any triangles, quadrilateral and regular polygons. Recognise angles where they meet at a point, are on a straight line, or are vertically opposite. Find missing angles.	**Ratio and Proportion** 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 unequal sharing and grouping using knowledge of fractions and multiples. Solve problems involving similar shapes where the scale factor is known or can be found.	**Algebra** Use simple formulae. Generate and describe linear number sequences. Express missing number problems algebraically. Find pairs of numbers that satisfy number sentences involving two unknowns. Enumerate all possibilities of combinations of two variables

Y6	Week 1 and Week 2	Week 3	Week 4	Week 5	Week 6
Summer T1	**Number- Place Value and FDP** Solve place value problems involving decimals and negative numbers. Solve problems involving fractions decimal and percentages	**Measurement** Solve problems involving measures	**Geometry-Properties of Shape** Solve problems involving properties of shape, position and angles.	Consolidation and SATS PREP	**Statistics** Collect and present data through line graphs and pie charts

Y6	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Summer T2	**Number and FDP Consolidation** Consolidate and revisit gaps in learning.	**Measures Consolidation** Consolidate and revisit gaps in learning.	**Statistics Consolidation** Consolidate and revisit gaps in learning.	**Investigation Bakery Project - involving ratio and proportion, profit and loss and best value**	**Investigation Tours- involving climate, conversions, time and budgeting**	**Investigation Futures- involving salaries, hourly rates and budgeting for bills**
	Ratio and proportion consolidation Consolidate and revisit gaps in learning.	**Geometry Consolidation** Consolidate and revisit gaps in learning.	**Algebra consolidation** Consolidate and revisit gaps in learning.			