Autumn	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13
	Place Value		Four Operations				Fractions					Position and Direction	Ratio

Spring	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
	Decimals		Percentages		Algebra		Converting Units	Perimeter, Area and Volume		Properties of Shapes		Statistics

Summer	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
	SATs revision/ SATs				Investigations/ Projects							

| Autumn | **Place Value** | **Four Operations** | **Four Operations** |

Place Value

Lesson 1 and 2: To be able to understand the place value of numbers up to 10,000,000

Lesson 3 and 4: To be able to compare and order numbers up to 10,000,000

Lesson 5,6 and 7: To be able to round numbers (10, 100, 1000, etc.)

Lesson 8 and 9: To be able to understand negative numbers

Lesson 10: To be able to explore Roman Numerals

Four Operations

Lesson 1: To be able to use written addition and subtraction

Lesson 2 and 3: To be able to use the most appropriate method for adding and subtracting

Lesson 4: To be able to use written multiplication (1 digit)

Lesson 5, 6 and 7: To be able to use written multiplication (2 digits)

Lesson 8 and 9: To be able to use written division (1 digit)

Lesson 10, 11 and 12: To be able to use written division (2 digit)

Lesson 13 and 14: To be able to identify common factors

Lesson 15 and 16: To be able to identify common multiples

Lesson 17: To be able to identify prime numbers

Four Operations

Lesson 18: To be able to understand and find square and cube numbers

Lesson 19 and 20: To be able to use the correct order of operations

Autumn continued	Fractions	Fractions	Position and Direction

Autumn continued

Fractions

Lesson 1 and 2: To be able to find fractions of amounts

Lesson 3 and 4: To be able to find the whole from fractions of amounts

Lesson 5 and 6: To be able to simplify fractions

Lesson 7: To be able to compare fractions using their numerator

Lesson 8 and 9: To be able to compare fractions using their denominator

Lesson 10 and 11: To be able to add and subtract fractions with common multiple denominators

Lesson 12, 13 and 14: To be able to add and subtract fractions with non-common multiple denominators

Lesson 15 and 16: To be able to add mixed number fractions (including improper)

Fractions

Lesson 17 and 18: To be able to subtract mixed number fractions (including improper)

Lesson 19 and 20: To be able to multiply fractions by a whole number

Lesson 21 and 22: To be able to multiply fractions together

Lesson 23 and 24: To be able to divide fractions by a whole number

Lesson 25 – Spare as needed

Position and Direction

Lesson 1: To be able to read and plot coordinates in the first quadrant

Lesson 2 and 3: To be able to read and plot coordinates in all four quadrants

Lesson 4: To be able to translate shapes

Lesson 5: To be able to reflect shapes

Autumn continued

Ratio

Lesson 1: To be able to use the language of ratio

Lesson 2: To be able to use the ratio symbol accurately

Lesson 3: To be able to calculate using ratio

Lesson 4: To be able to scale using ratio

Lesson 5: To be able to solve problems involving ratio

	Decimals	Percentages	Algebra
Spring	**Lesson 1:** To be able to understand numbers up to 3 decimal places **Lesson 2 and 3:** To be able to multiply decimal numbers by 10, 100 and 1000 **Lesson 4 and 5:** To be able to divide decimal numbers by 10, 100 and 1000 **Lesson 6:** To be able to multiply decimal numbers by one digit **Lesson 7 and 8:** To be able to divide decimal numbers by one digit **Lesson 9 and 10:** To be able to convert between decimals and fractions	**Lesson 1 and 2:** To be able to convert between decimals, fractions and percentages **Lesson 3:** To be able to recognise and understand equivalent fractions, decimals and percentages **Lesson 4 and 5:** To be able to compare and order fractions, decimals and percentages **Lesson 6 and 7:** To be able to find percentages of amounts (10s and 5s) **Lesson 8, 9 and 10:** To be able to find percentages of amounts (all percentages)	**Lesson 1 and 2:** To be able to find rules for 1 and 2 step operations **Lesson 3 and 4:** To be able to form algebraic expressions **Lesson 5 and 6:** To be able to substitute in values **Lesson 7 and 8:** To be able to solve algebraic equations **Lesson 9 and 10:** To be able to find numbers to satisfy two variables

Spring continued

Converting Units

Lesson 1: To be able to convert between cm, mm and m

Lesson 2: To be able to convert between g, kg, m, km, ml and l

Lesson 3: To be able to convert between metric units (previous lessons)

Lesson 4: To be able to convert between miles and km

Lesson 5: To be able to convert between imperial units of measurements

Perimeter, Area and Volume

Lesson 1 and 2: To be able to calculate the perimeter of shapes

Lesson 3 and 4: To be able to calculate the area of quadrilaterals

Lesson 5 and 6: To be able to investigate how shapes can have the same area but different perimeter

Lesson 7 and 8: To be able to calculate the area of triangles

Lesson 9 and 10: To be able to calculate the volume of cubes and cuboids

Properties of Shapes

Lesson 1: To be able to name and recognise different types of angles

Lesson 2: To be able to measure angles using a protractor

Lesson 3 and 4: To be able to calculate missing angles in a triangle

Lesson 5: To be able to calculate missing angles on a straight line

Lesson 6 and 7: To be able to calculate missing angles in quadrilaterals

Lesson 8: To be able to calculate missing angles around a point

Lesson 9 and 10: To be able to recognise opposite angles when finding missing angles

Spring continued

Statistics

Lesson 1 and 2: To be able to read and interpret line graphs

Lesson 3: To be able to read and interpret pie charts

Lesson 4: To be able to identify features of a circle

Lesson 5: To be able to calculate averages (mean)