

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 (Addition and Subtraction)		Perimeter	Four Operations (10, 100 and 1000)		Four Operations (Multiply and divide)			Area	

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	
	Four Operations (Factors, multiples etc.)		Fractions							Volume	Statistics/ Position and Direction		

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
	Decimals and percentages			Decimals				Properties of shapes			Converting Units	

Autumn

Place Value

Lesson 1 and 2: To be able to understand the place value of numbers up to 100,000

Lesson 3 and 4: To be able to compare and order numbers up to 100,000

Lesson 5 and 6: To be able to round numbers to the nearest 10, 100 or 1000

Lesson 7 and 8: To be able to understand the place value of numbers up to 1,000,000

Lesson 9 and 10: To be able to compare and order numbers up to 1,000,000

Lesson 11 and 12: To be able to round numbers (up to the nearest million)

Lesson 13 and 14: To be able to understand negative numbers

Lesson 15: To be able to explore Roman Numerals

Four Operations

Lesson 1,2 and 3: To be able to use written addition (identify mental)

Lesson 4,5 and 6: To be able to use written subtraction (identify mental)

Lesson 7 and 8: To be able to use the most appropriate method for adding and subtracting

Lesson 9 and 10: To be able to understand what the inverse is and use it to solve missing number problems

Perimeter

Lesson 1 and 2: To be able to measure perimeter

Lesson 3 and 4: To be able to calculate the perimeter of shapes

Lesson 5: Spare as needed or move on to next unit

Autumn
continued

Four Operations

Lesson 1 and 2: To be able to multiply by 10, 100 and 1000

Lesson 3 and 4: To be able to divide by 10, 100 and 1000

Lesson 5 and 6: To be able to multiply and divide by 10, 100 and 1000

Lesson 7 and 8: To be able to calculate multiples of 10, 100 and 1000 (e.g. $\times 50$, $\times 600$)

Lesson 9 and 10 – Spare as needed or available to move on to multiplication and division

Four Operations

Lesson 1, 2 and 3: To be able to use written multiplication (1 digit)

Lesson 4, 5, 6 and 7: To be able to use written multiplication (2 digit)

Lesson 8, 9, 10 and 11: To be able to use written division

Lesson 12, 13, 14 and 15: To be able to use written division and apply remainders in context

Area

Lesson 1 and 2: To be able to calculate the area of quadrilaterals (squares and rectangles)

Lesson 3, 4 and 5: To be able to calculate the area of compound shapes

Lesson 6: To be able to estimate the area of irregular shapes

Spare lessons for available as needed/ end of term assessments

Spring

Four Operations

Lesson 1 and 2: To be able to understand what multiples are and identify them

Lesson 3 and 4: To be able to identify factors of numbers

Lesson 5: To be able to identify common factors

Lesson 6 and 7: To be able to identify prime numbers

Lesson 8: To be able to understand and find square numbers

Lesson 9: To be able to understand and find cube numbers

Lesson 10: Spare as needed or move on to fractions

Fractions

Lesson 1 and 2: To be able to understand and identify equivalent fractions

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

Lesson 5 and 6: To be able to convert between mixed number and improper fractions

Lesson 7 and 8: To be able to complete fractional sequences

Lesson 9 and 10: To be able to compare and order fractions less than 1

Lesson 11 and 12: To be able to compare and order fractions more than 1

Lesson 13: To be able to add and subtract fractions with the same denominator

Lesson 14, 15 and 16: To be able to add fractions with common multiple denominators

Fractions

Lesson 17 and 18: To be able to add three fractions with common multiple denominators

Lesson 19 and 20: To be able to add mixed number fractions (including improper fractions)

Lesson 21, 22 and 23: To be able to subtract fractions with common multiple denominators

Lesson 24 and 25: To be able to subtract from a mixed number fraction (proper fraction only)

Lesson 26 and 27: To be able to subtract mixed number fractions (including improper fractions)

Lesson 28 and 29: To be able to multiply fractions by a whole number

Lesson 30 and 31: To be able to multiply mixed fractions by a whole number

Spring
continued

Fractions

Lesson 32 and 33: To be able to use fractions as an operator (2 x $\frac{1}{10}$ being 2 divided by 10 or $\frac{1}{10}$ of 2)

Lesson 34 and 35 – Spare lessons as needed

Volume

Lesson 1: To be able to understand what volume and capacity are

Lesson 2 and 3: To be able to compare the volume of shapes/ objects

Lesson 4: To be able to estimate volume

Lesson 5: To be able to estimate the capacity of objects

Statistics

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

Lesson 2: To be able to draw line graphs

Lesson 3: To be able to solve problems using line graphs

Lesson 4: To be able to read and interpret tables of information

Lesson 5: To be able to read and interpret timetables

Statistics should also be discussed in other subjects such as Science to give greater insight into different sets of data handling

Spring
continued

Position and Direction

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

Lesson 2: To be able to reflect shapes

Lesson 3: To be able to write the new coordinates of reflected shapes

Lesson 4: To be able to translate shapes

Lesson 5: To be able to write the new coordinates of translated shapes

Summer

Decimals and Percentages

Lesson 1 and 2: To be able to understand decimals to 2 decimal places

Lesson 3 and 4: To be able to convert decimals into fractions and vice versa

Lesson 5 and 6: To be able to understand decimals to 3 decimal places

Lesson 7,8 and 9: To be able to round decimal numbers (nearest whole number and nearest tenth)

Lesson 10 and 11: To be able to compare and order decimals

Lesson 12: To be able to understand what percentage is

Lesson 13 and 14: To be able to convert between percentages, fractions and decimals

Lesson 15: To be able to recognise and understand equivalent fractions, decimals and percentages

Decimals

Lesson 1 and 2: To be able to add decimals within 1

Lesson 3 and 4: To be able to subtract decimals within 1

Lesson 5 and 6: To be able to find decimal complements that make 1

Lesson 7: To be able to add decimal numbers using written addition (same d.p)

Lesson 8: To be able to subtract decimal numbers using written subtraction (same d.p)

Lesson 9 and 10: To be able to add decimal numbers using written addition (different d.p)

Lesson 11 and 12: To be able to subtract decimal numbers using written subtraction (different d.p)

Lesson 13 and 14: To be able to add and subtract a mix of whole and decimal numbers

Decimals

Lesson 15 and 16: To be able to sequence decimal numbers

Lesson 17 and 18: To be able to multiply decimal numbers by 10, 100 and 1000

Lesson 19 and 20: To be able to divide decimal numbers by 10, 100 and 1000

Summer
continued

Properties of Shapes

Lesson 1: To be able to recognise regular and irregular shapes

Lesson 2: To be able to reason about 3D shapes

Lesson 3 and 4: To be able to understand and recognise different types of angles

Lesson 5 and 6: To be able to measure angles using a protractor

Lesson 7 and 8: To be able to draw angles using a protractor

Lesson 9, 10 and 11: To be able to calculate missing angles on a straight line

Lesson 12 and 13: To be able to calculate missing angles around a point

Lesson 14 and 15: To be able to identify missing angles within shapes (triangles and quadrilaterals)

Converting Units

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

Lesson 2: To be able to convert between cm and m

Lesson 3: To be able to convert between m and km

Lesson 4: To be able to convert between ml and l and g and kg

Lesson 5 and 6: To be able to convert between metric units (apply previous lessons)

Lesson 7: To be able to convert between imperial units

Lesson 8, 9 and 10: To be able to convert between units of time (days, months, years, minutes and seconds, 12 and 24 hour)