	<u>Autumn</u>	<u>Spring</u>	<u>Summer</u>
Year 6	Place Value	Decimals	Geometry – Position and Shape
	Read, write, order and compare numbers up	Identify the value of each digit in numbers given to 3	Draw 2-D shapes using given dimensions and
	to 10,000,000 and determine the value of	decimal places and multiply numbers by 10, 100 and	angles.
	each digit.	1,000 giving answers up to 3 decimal places.	
			Compare and classify geometric shapes based on
	Round any whole number to a required	Multiply one-digit numbers with up to 2 decimal	their properties and sizes and find unknown
	degree of accuracy.	places by whole numbers.	angles in any triangles, quadrilaterals and regular
			polygons.
	Use negative numbers in context, and	Use written division methods in cases where the	
	calculate intervals across zero.	answer has up to 2 decimal places.	Recognise angles where they meet at a point, are
			on a straight line, or are vertically opposite, and
	Solve number and practical problems that	Solve problems which require answers to be rounded	find missing angles.
	involve all of the above.	to specified degrees of accuracy.	
			<u>Statistics</u>
	Four Operations	Percentages	Illustrate and name parts of circles, including
	Solve addition and subtraction multi step	Solve problems involving the calculation of	radius, diameter and circumference and know
	problems in contexts, deciding which	percentages [for example, of measures and such as	that the diameter is twice the radius.
	operations and methods to use and why.	15% of 360] and the use of percentages for	
		comparison.	Interpret and construct pie charts and line graphs
	Multiply multi-digit number up to 4 digits by		and use these to solve problems.
	a 2-digit number using the formal written	Recall and use equivalences between simple fractions,	
	method of long multiplication.	decimals and percentages including in different contexts.	Calculate the mean as an average.
	Divide numbers up to 4 digits by a 2-digit		
	whole number using the formal written	Algebra	
	method of long division, and interpret	Use simple formulae.	
	remainders as whole number remainders,		
	fractions, or by rounding as appropriate for	Generate and describe linear number sequences.	
	the context.		
		Express missing number problems algebraically.	
	Divide numbers up to 4 digits by a 2-digit		
	number using the formal written method of	Find pairs of numbers that satisfy an equation with	
	short division, interpreting remainders	two unknowns.	
	according to the context.		
		Enumerate possibilities of combinations of two	
	Perform mental calculations, including with	variables.	
	mixed operations and large numbers.		

Identify common factors, common multiples	Measurement – Converting Units	
and prime numbers.	Solve problems involving the calculation and	
	conversion of units of measure, using decimal notation	
Use their knowledge of the order of	up to three decimal places where appropriate.	
operations to carry out calculations involving		
the four operations.	Use, read, write and convert between standard units,	
	converting measurements of length, mass, volume and	
Solve problems involving addition,	time from a smaller unit of measure to a larger unit,	
subtraction, multiplication and division.	and vice versa, using decimal notation to up to 3dp.	
Use estimation to check answers to	Convert between miles and kilometres.	
calculations and determine in the context of		
a problem, an appropriate degree of	Perimeter, Area and Volume	
accuracy.	Recognise that shapes with the same areas can have	
	different perimeters and vice versa.	
Fractions		
Use common factors to simplify fractions;	Recognise when it is possible to use formulae for area	
use common multiples to express fractions in	and volume of shapes.	
the same denomination.		
	Calculate the area of parallelograms and triangles.	
Compare and order fractions, including		
fractions > 1		
	Calculate, estimate and compare Volume of cubes and	
Generate and describe linear number	cuboids using standard units, including cm3, m3 and	
sequences (with fractions)	extending to other units (mm3, km3)	
Add and subtract fractions with different		
denominations and mixed numbers, using	Ratio	
the concept of equivalent fractions.	Solve problems involving the relative sizes of two	
	quantities where missing values can be found by using	
Multiply simple pairs of proper fractions,	integer multiplication and division facts.	
writing the answer in its simplest form [for	- ·	
example ¼ x ½ = 1/8]	Solve problems involving similar shapes where the	
	scale factor is known or can be found.	
Divide proper fractions by whole numbers		
[for example $1/3 \div 2 = 1/6$ ]		

Associate a fraction with division and calculate decimal fraction equivalents [ for example, 0.375] for a simple fraction [for example 3/8]	Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples.	
Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.		
Geometry 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.		