Year 5 Maths Autumn	
Place ValueRoman Numerals to 1000, Read and write numbers to 1,000,00010/100/1,000/10,000/100,000 more or lessPartition numbers to 1,000,000, Compare and order numbers to 1,000,000Round to the nearest 10, 100 or 1,000Addition and SubtractionMental strategies, Add and subtract whole numbers with more than four digitsRound to check answers, Using inverse operationsMulti-step addition and subtraction problemsComparing calculations, Finding missing numbers in calculations	Multiplication and Division Unit AMultiples, common multiples and factors. Prime, square and cube numbersMultiply and divide by 10, 100 and 1,000Multiples of 10, 100 and 1,000Fractions Unit AFind fractions equivalent to a unit and non-unit fraction, Recognise equivalent fractionsConvert improper fractions to mixed numbers and vice versa.Compare and order fractions less than 1, Compare and order fractions greater than 1Add and subtract fractions with the same denominatorAdd and subtract two mixed numbers
Spring	
<u>Multiplication and Division Unit B</u> Multiply up to a 4-digit number by a 1 and 2 digit number Multiply a 2-digit, 3-digit and 4-digit number by a 2-digit number	<u>Decimals and Percentages</u> Round to the nearest whole number, Round to 1 decimal place
Solve problems with multiplication	Perimeter and Area
Divide a 4-digit number by a 1-digit number, Divide with remainders	Perimeter of rectangles and rectilinear shapes, Perimeter of polygons
Fractions Unit B	Area of rectangles and compound shapes, Estimate area
Multiply a unit and non-unit fraction by an integer	<u>Statistics</u>
Multiply a mixed number by an integer, Calculate a fraction of a quantity	Draw line graphs, Read and interpret line graphs
Decimals and Percentages	Read and interpret tables, Read and interpret timetables
Equivalent fractions and decimals, Thousandths as fractions and decimals	
Order and compare any decimals with up to 3 decimal places	
	Summer
Shape	Decimals
Understand and use degrees, Classify and estimate angles	Decimal sequences
Measure angles up to 180, Draw lines and angles accurately	Multiply and divide by 10, 100 and 1,000
Calculate angles around a point and a straight line	Negative Numbers
Regular and irregular polygons, 3-D shapes	Understand negative numbers, Count through zero in 1s
Position and Direction	Compare and order negative numbers, Find the difference
Read and plot coordinates, Problem solving with coordinates	Converting Units
Translation, Lines of symmetry	Kilograms and kilometres, Millimetres and millilitres
Reflection in horizontal and vertical lines	Convert between metric and imperial units
Decimals	Convert units of time, Calculate with timetables
Use known facts to add and subtract decimals within and across 1	Volume
Add and Subtract decimals	Cubic centimetres, Compare and estimate volume
	Estimate capacity