



Year 5

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
	Reasoning with large whole integers		Integer addition and subtraction		Line graphs and timetables		Multiplication and division			Perimeter and area
Autumn	- Read, write, order and compare numbers up to one million - Round numbers within one million to the nearest multiple of powers of ten - Read Roman numerals up to M		- Use rounding to estimate - Use a range of mental calculation strategies to add and subtract integers - Illustrate and explain the written method of column addition and subtraction - Select efficient calculation strategies		- Complete, read and interpret data presented in line graphs - Read and interpret timetables including calculating intervals		- Identify multiples and factors - Investigate prime numbers - Multiply and divide by 10, 100 and 1000 (integers) - Multiply and divide using derived facts - Use written methods to multiply and divide - Use a range of mental calculation strategies			- Investigate area and perimeter of rectilinear shapes - Estimate area of nonrectilinear shapes

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	Fractions and decimals			Angles		Fractions and percentages			Transformations	
Spring	- Read, write, order and compare decimals - Round decimals to the nearest whole number - Represent, identify, name, write, order and compare fractions (including improper and mixed numbers) - Calculate fractions of amounts			- Classify, compare and order angles - Measure and draw angles with a protractor - Understand and use angle facts to calculate missing angles		- Add, subtract fractions with denominators that are multiples of the same number - Multiply fractions (and mixed numbers) by a whole number - Explore percentage, decimal, fractions equivalence			- Coordinates in all four quadrants - Translation and reflection - Calculate intervals across zero as a context for negative numbers	

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	Converting units of measure		Calculating with whole numbers and decimals			2-D and 3-D shape		Volume	Problem solving	
Summer	- Convert between metric units of length, mass and capacity and units of time - Know and use approximate conversion between imperial and metric		- Mental strategies to add and subtract involving decimals - Formal written strategies to add, subtract and multiply involving decimals - Multiply and divide decimal numbers by ten, 100 and 1,000 - Derive addition, subtraction and multiplication facts involving decimals			- Classify 2-D shapes and reason about regular and irregular polygons - Properties of diagonals of quadrilaterals - Classify 3-D shapes 2-D representations of 3-D shapes.		- Use cube numbers and notation - Estimate volume - Convert units of volume	- Negative numbers and calculating intervals across zero - Calculating the mean - Interpret remainders - Investigate numbers: consecutive, palindromic, multiples	

