Week	1	2	3	4	5	6	7	8	9	10	11	12
Autumn	Number - Place Value read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000 round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000 interpret negative numbers in context, Count forwards and backwards with positive and negative whole numbers, including through zero Solve number and practical problems that involve all of the above			Number - Addition and Subtraction add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) add and subtract numbers mentally with increasingly large numbers solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why use rounding to check answers to calculations		Statistics including reading time tables solve comparison, sum and difference problems using information presented in a line graph complete, read and interpret information in tables		Number: Multiplication and Division identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers. know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers Establish whether a number up to 100 is prime and recall prime numbers up to 19		Measures – including Area Perimeter measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres calculate and compare the area of rectangles (including squares) and including using standard units, square centimetres (cm^2) and square metres (m^2) and estimate the area of irregular shapes		

	read Roman numerals to 1000 (M) and recognise years written in Roman numerals.	and determine, in the context of a problem, levels of accuracy solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign		recognise and use square numbers and cube numbers, and the notation for squared (^{2}) and cubed (^{3}) multiply numbers up to 4 digits by a one- or two-digit number using a formal written method including long multiplication for two-digit numbers. Multiply and divide numbers mentally drawing upon know facts solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes		

				multiply whole numbers by 10, 100 and 1000		