Year 5 - End point for the end of the Autumn term			
Number and Place Value	Addition, Subtraction, Multiplication and Division	Measures	Statistics
- To read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit - To round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000 - To put numbers up to 1,000,000 on a number line. - Count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000 - To read roman numerals to 1,000 and recognise years. - To interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers. - To solve number sequence problems.	- To add and subtract whole numbers with more than 4 digits, including using formal written methods. - Using rounding to estimate and check answers - To add and subtract numbers mentally with increasingly large numbers - To use the inverse operation - To solve problems linked to addition and subtraction. - To Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers - To recall prime numbers up to 19. - To recognise and use square and cube numbers. - To solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes	- To measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres - To calculate and compare the area of rectangles (including squares) - To estimate the area of irregular shapes	- To complete, read and interpret information in tables, including timetables - To draw and interpret line graphs.

	• To solve multiplication and division problems using the inverse operation. • To multiply and divide whole numbers by 10,100 and 1000. • To multiply and divide by multiples of 10, 100 and 1,000		

Year 5 - End point for the end of the Spring term		
Number and Place Value	Addition, Subtraction, Multiplication and Division	Fractions
These skills will be drawn upon for application.	• To multiply a 4-digit number by a 2-digit number • To divide up to a 4-digit number by a 1-digit number and interpret remainders appropriately for the context.	• To identify, name and write equivalent fractions including tenths and hundredths. • To convert improper fractions to mixed numbers and vice versa. • To compare and order fractions whose denominators are all multiples of the same number • To associate a fraction as a division calculation • To add and subtract fractions with the same denominator and denominators that are multiples of the same number. • To problem solve using their knowledge of adding and subtracting fractions. • To multiply proper fractions and mixed numbers by whole numbers. • To calculate fractions of amounts. • To use fractions as operators. • To solve mixed word problems with a focus on multiplication of fractions. • To read, write, order and compare numbers with up to three decimal places • To read and write decimal numbers as fractions • To recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents • To order and compare decimals up to 3 dp.

		• To round decimals with two decimal places to the nearest whole number and to one decimal place
		• To recognise the per cent symbol and understand that it relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal.
		• To know percentage and decimal equivalents of 1/ 2 , 1/ 4 , 1/ 5 , 2 /5 , 4 /5.

Year 5 - End point for the end of the Summer term				
Number and Place Value	Addition, Subtraction, Multiplication and Division	Measures	Fractions	Algebra
These skills will be drawn upon for application.	These skills will be drawn upon for application.	- To convert between different units of metric measure - To use all four operations to solve problems involving measure - To understand and use approximate equivalences between metric and imperial units - To solve problems involving the conversion of different time units. - To use all four operations to solve problems involving measures using decimal notation. - To estimate volume to build cuboids and capacity. - To compare volumes of cuboids.	- To read, write, order and compare numbers with up to three decimal places. - To add and subtract decimals up to 3 decimal places. - To multiply and divide decimals by 10,100 and 1000.	- To measure angles in degrees. - Use a protractor to measure angles. - To draw given angles, and measure them in degrees. - Calculate angles on a line and around a point - To calculate lengths and angles in shapes. - To recognise and draw parallel and perpendicular lines. - To reason about parallel and perpendicular lines - To recognise and distinguish between regular and irregular polygons - To reason about 3D shapes - To identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language.