Mrs Rogers Year 4	AUTUMN TERM	SPRING TERM	SUMMER TERM
NUMBER, PLACE VALUE	Read, write, order and compare numbers to at least 10,000Know what each digit represents in numbers up to 10,000Count forwards and backwards in steps of powers of 10 for any given number up to 10,000Round any number up to 10,000 to the nearest 10, 100, 1000Read Roman numerals to 1000 (M) and recognise years in Roman numerals.	Read, write, order and compare numbers to at least 100,000Know what each digit represents in numbers up to 1,00,000Count forwards and backwards in steps of powers of 10 for any given number up to 100,000Round any number up to 100,000 to the nearest 1000 and 10,000Use negative numbers in context; count forwards and backwards with positive and negative whole numbers through zero	Read, write, order and compare numbers to at least 1,000,000Know what each digit represents in numbers up to 1,000,000Count forwards and backwards in steps of powers of 10 for any given number up to 1,000,000Round any number up to 1,000,000 to the nearest 1000, 10,000 and 100,000Solve number problems and practical problems involving place value
ADDITION, SUBTRACTION	Subtract 4 digit whole numbersAdd 4 digit whole numbersAdd and subtract mentally with increasingly large numbers	Subtract 5 digit whole numbersAdd 5 digit whole numbersAdd and subtract mentally with increasingly large numbers	Subtract 6 digit whole numbers – use rounding to check answersAdd 6 digit whole numbers– use rounding to check answersAdd and subtract mentally with increasingly large numbersUse addition and subtraction problems to solve multi– step problems
MULTIPLICATION AND DIVISION	Multiply and divide whole numbers by 10, 100 and 1000Multiply numbers up to 4 digits by one digitDivide numbers up to 4 digits by 1 digitMultiply and divide numbers mentally	Multiply and divide decimal numbers by 10, 100 and 1000Multiply numbers up to 4 digits by one digitDivide numbers up to 4 digits by 1 digitMultiply and divide numbers mentally	Multiply and divide decimal and whole numbers by 10,100 and 1000Multiply numbers up to 4 digits by two digitDivide numbers up to 4 digits by 1 digitMultiply and divide numbers mentallyRecognise and use square number and cubed numbers and use notationEstablish whether a number up to 100 is prime and recall prime up to 19Identify multiples and factors, including finding all factor pairs.

MEASUREMENTS	Convert between different units of metric measure	Measure and calculate the perimeter of a composite rectilinear shapes in centimetres and metresEstimate volume and capacityUse all 4 operations to solve problems involving measure and decimal notation	Measure and calculate the perimeter of a composite rectilinear shapes in centimetres and metresEstimate volume and capacityUse all 4 operations to solve problems involving measure and decimal notation
FRACTIONS, DECIMALS AND PERCENTAGES	Compare and order fractions whose denominators are all multiples of the same numberIdentify and name the equivalent fractions of a given fraction + and - fractions with the same denominatorRead and write decimal numbers as fractionsRound decimals to 2 decimal places to the nearest whole number	Recognise and use 1000 th and relate them to 10ths and 100thsRead, write, order and compare numbers up to 3 decimal places + and - fractions with denominators that are multiples of the same numberRecognise the % Symbol and understand what it meansWrite % as a fraction	Recognise mixed numbers and improper fraction and convert from one form to anotherMultiply proper fractions and mixed numbers by whole numbersSolve problems involving number up to 3 decimal places
<u>GEOMETRY</u>	Know angles are measured in degrees; estimate and compare acute, obtuse and reflexIdentify angles at a point and one whole turnUse properties of rectangles to deduce related facts and find missing lengths and anglesDistinguish between regular and irregular polygons	Identify 3-D shapes, including cubes and other cuboids, from 2-D representationsDraw given angles, and measure them in degrees	Identify, describe and represent the position of a shape following a reflection or translation.
<u>STATISTICS</u>	Solve 'sum' problems using information presented in line graphSolve 'comparison' problems using information presented on a line graph.	Complete, read and interpret information in tables including timetables	Complete, read and interpret information in tables including timetables