River View Primary School		
Mathematics	**Year 4**	**Autumn**

What will I know by the end of the unit?

Place Value

Count in multiples of 6, 7, 9, 25 and 1,000. Count backwards through zero to include negative numbers. Identify, represent and estimate numbers using different representations. Read Roman numerals to 100 and know that over time, the numeral system changed to include the concept of zero and place value. Find 1,000 more or less than a given number. Recognise the place value of each digit in a four-digit number. Order and compare numbers beyond 1,000. Round any number to the nearest 10, 100 and 1000. Solve number and practical problems that involve all of the above with increasingly large positive numbers.

Addition and Subtraction

Estimate and use inverse operations to check answers to a calculation. Add and subtract numbers with up to 4-digits using the formal written method, where appropriate. Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.

Area

Find the area of rectilinear shapes by counting squares.

Multiplication and Division

Recall multiplication and division facts for the multiplication tables up to 12x12. Use place value, known and derived facts to multiply and divide mentally, including multiplying by 0 and 1; dividing by 1; multiplying together three numbers. Recognise and use factor pairs and commutativity in mental calculations.

Technical Vocabulary	
positive number	a number greater than zero
negative number	a number less than zero
place value	indicates the position of a numeral
rounding	an approximation used to express a number in a more convenient way
addend	a number which is added to another
sum	the result when two or more numbers are added together
total	the whole number or amount
minuend	a quantity or number from which another is to be subtracted
subtrahend	a quantity or number to be subtracted from another
difference	the result of subtracting one number from another
inverse	opposite
area	the amount of space within a perimeter
multiple	the product of a given number multiplied by another number
factor	a number which will divide exactly into another number
product	the result when two or more numbers are multiplied
commutative	when 2 numbers can be added or multiplied & the same answer will be found no matter what order they are in
dividend	a number to be divided by another number
divisor	a number by which another number is divided
quotient	the result when one number is divided by another number