Year 6 Autumn Curriculum Goals – Maths

Number (Place Value): I can read, write, order and compare numbers up to 10,000,000 and determine the value of each digit.
Number (Place Value): I can round any whole number to a required degree of accuracy.
Number (Place Value): I can use negative numbers in context, and calculate intervals across zero.
Number (Place Value): I can solve number and practical problems that involve all of the above.
Number (Addition, Subtraction, Multiplication and Division): I can solve addition and subtraction multi step problems in contexts, deciding which operations and methods to use and why.
Number (Addition, Subtraction, Multiplication and Division): I can multiply multi-digit number up to 4 digits by a 2-digit number using the formal written method of long multiplication.
Number (Addition, Subtraction, Multiplication and Division): I can divide numbers up to 4 digits by a 2-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding as appropriate for the context.
Number (Addition, Subtraction, Multiplication and Division): I can divide numbers up to 4 digits by a 2-digit number using the formal written method of short division, interpreting remainders according to the context.
Number (Addition, Subtraction, Multiplication and Division): I can perform mental calculations, including with mixed operations and large numbers.
Number (Addition, Subtraction, Multiplication and Division): I can identify common factors, common multiples and prime numbers.
Number (Addition, Subtraction, Multiplication and Division): I can use my knowledge of the order of operations to carry out calculations involving the four operations.
Number (Addition, Subtraction, Multiplication and Division): I can solve problems involving addition, subtraction, multiplication and division.
Number (Addition, Subtraction, Multiplication and Division): I can use estimation to check answers to calculations and determine in the context of a problem, an appropriate degree of accuracy.
Number (Fractions): I can use common factors to simplify fractions; use common multiples to express fractions in the same denomination.
Number (Fractions): I can compare and order fractions, including fractions > 1

Number (Fractions): I can generate and describe linear number sequences (with fractions)
Number (Fractions): I can Add and subtract fractions with different denominations and mixed numbers, using the concept of equivalent fractions. Multiply simple pairs of proper fractions, writing the answer in its simplest form [for example 1/4 x 1/2 = 1/8]
Number (Fractions): I can divide proper fractions by whole numbers [for example 1/3 ÷ 2 = 1/6]
Number (Fractions): I can associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example 38]
Number (Fractions): I can recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.
Geometry (Position and Direction): I can describe positions on the full coordinate grid (all four quadrants).
Geometry (Position and Direction): I can draw and translate simple shapes on the coordinate plane, and reflect them in the axis.