Maths Medium Term Planning

Year Group: Six   Term: Autumn 2021

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Number – place value Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit Round any whole number to a required degree of accuracy Use negative numbers in context, and calculate intervals across zero Solve number and practical problems that involve all of the above		**Number – Addition, subtraction, multiplication and division** Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why Multiply multi-digit numbers up to 4-digits by a 2-dgit number using the formal written method of long multiplication Divide numbers up to 4-digtis by a 2-digit whole number using the formals written method of long division, and interpret remainders as whole number remainders, fractions or by rounding as appropriate for the context Divide numbers up to 4-digtis by a 2-digit number using the formal written method of short division, interpreting remainder according to the context Perform mental calculations including with mixed operations and large umbers Identify common factors, common multiples and prime numbers Use their knowledge of the order of operations to carry out calculations involving four operations Solve problems involving addition, subtraction, multiplication and division Use estimation to check answers to calculations and determine in the context of a problem, an appropriate degree of accuracy						**Number – Fractions** Use common factors to simplify fractions; use common multiples to express fractions in the same denomination Compare and order fractions, including fractions > 1 Generate and describe linear number sequences (with fractions) Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions. Multiply simple pairs of proper fractions, writing the answer in its simplest form (e.g. ¼ x ½ = 1/8) Divide proper fractions by whole numbers (e.g. 1/3 divide by 2 = 1/6) Associate a fraction with division and calculate decimal fraction equivalents (e.g. 0.375 for a simple fraction of 1/8) Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts				**Geometry – Position and direction** Describe positions on the full coordinate grid (all four quadrants) Draw and translate simple shapes on the coordinate plane, and reflect them in the axes