



## Maths Medium Term Planning

Year Group: Six

Term: Autumn 2023

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
<b>Number – place value</b>	<b>Number – Addition, subtraction, multiplication and division</b>						<b>Number – Fractions A</b>	<b>Number – Fractions B</b>	<b>Converting Units</b>		
Read, write, order and compare numbers up to 1,000,000 then extend to 10,000,000 and determine the value of each digit	Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why						Identify equivalent fractions	Multiply fractions by integers	Describe positions on the full coordinate grid (all four quadrants)		
Identify and apply powers of 10	Identify common factors, common multiples and prime numbers						Use common factors to simplify fractions; use common multiples to express fractions in the same denomination	Multiply simple pairs of proper fractions, writing the answer in its simplest form (e.g., $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$ )	Divide proper fractions by integers (e.g., $\frac{1}{3}$ divide by 2 = $\frac{1}{6}$ )		
Place and identify numbers on a number line to 10,000,000	Know and apply rules of divisibility						Identify and calculate equivalent fractions on a number line	To calculate a fraction of an amount	Draw and translate simple shapes on the coordinate plane, and reflect them in the axes		
Compare and order integers	Identify and define prime numbers to 100, square and cube numbers						Compare and order fractions, including fractions $> 1$	To calculate a fraction to find the whole			
Round any whole number to a required degree of accuracy	Multiply multi-digit numbers up to 4-digits by a 2-digit number using the formal written method of long multiplication						Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions.				
Use negative numbers in context, and calculate intervals across zero	Divide numbers up to 4-digits by a 2-digit number using the formal written method of short division, interpreting remainder according to the context										
Solve number and practical problems that involve all of the above	Divide using factors										
	Perform mental calculations including with mixed operations and large numbers										
	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										
	Use their knowledge of the order of operations to carry out calculations involving four operations										
	To calculate using reasoning from known facts in differing contexts										
	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										