

Year 6	Autumn 1	
Prior Learning:	Key Vocabulary	
Objectives:	When else will objective be covered	
<u>Number and Place Value</u> <ol style="list-style-type: none"> 1. read, write, order and compare numbers up to 10 000 000 and determine the value of each digit 2. solve number and practical problems that involve of the above. 	Core objective Core objective	
<u>Addition, subtraction, multiplication and division</u> <ol style="list-style-type: none"> 3. multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication 4. divide numbers up to 4 digits by a two-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 5. divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context 6. perform mental calculations, including with mixed operations and large numbers 7. solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why 8. solve problems involving addition, subtraction, multiplication and division 	Core objective Year 5 Core objective Core objective Core objective Core objective	
<u>Fractions (including percentage and decimals)</u> <ol style="list-style-type: none"> 9. identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places 10. compare and order fractions, including fractions >1 11. recall and use equivalences between simple fractions, decimals and percentages, including in different contexts 	Core objective 1,4 1,2, 4	
<u>Ratio and proportion</u> <ol style="list-style-type: none"> 12. solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison 	1,3, 5	
<u>Measurement</u> <ol style="list-style-type: none"> 13. solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate 14. use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places 	1,2,4,5 1,2,4,5	

Year 6	Autumn 2	
Prior Learning	Key Vocabulary	
Objectives:	When else will objective be covered	
<u>Number and Place Value</u> <ol style="list-style-type: none"> 1. read, write, order and compare numbers up to 10 000 000 and determine the value of each digit 2. round any whole number to a required degree of accuracy 3. solve number and practical problems that involve of the above. 	Core objective 2,5 Core objective	
<u>Addition, subtraction, multiplication and division</u> <ol style="list-style-type: none"> 4. multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication 5. divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context 6. perform mental calculations, including with mixed operations and large numbers 7. solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why 8. solve problems involving addition, subtraction, multiplication and division 9. identify common factors, common multiples and prime numbers 	Core objective Core objective Core objective Core objective Core objective 2,4	
<u>Fractions (including percentage and decimals)</u> <ol style="list-style-type: none"> 10. identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places 11. recall and use equivalences between simple fractions, decimals and percentages, including in different contexts 12. use common factors to simplify fractions; use common multiples to express fractions in the same denomination 13. add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions 	Core objective 1,2, 4 2,3 2,3	
<u>Ratio and proportion</u> <ol style="list-style-type: none"> 14. solve problems involving similar shapes where the scale factor is known or can be found 	2,6	
<u>Measurement</u> <ol style="list-style-type: none"> 15. solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate 16. use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places 	2,4, 5 2,4, 5	
<u>Geometry- properties of shape</u> <ol style="list-style-type: none"> 17. compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons 18. recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles. 	2,4 2,4	