

Year 6	Spring 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. use negative numbers in context, and calculate intervals across zero 3. solve number and practical problems that involve of the above. 	Core objective 3,4 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. use their knowledge of the order of operations to carry out calculations involving the four operations 	Core objective Core objective Core objective Core objective Core objective
<u>Fractions (including percentage and decimals)</u> <ol style="list-style-type: none"> 1. add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions 2. 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 3. multiply one-digit numbers with up to two decimal places by whole numbers 4. solve problems which require answers to be rounded to specified degrees of accuracy 	2,3 Core objective 3,4,6 3,6
<u>Ratio and proportion</u> <ol style="list-style-type: none"> 5. solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison 6. solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts 7. solve problems involving unequal sharing and grouping using knowledge of fractions and multiples. 	1,3,5 3,6 3,6
<u>Measurement</u>	
<u>Geometry- properties of shape</u> <ol style="list-style-type: none"> 8. draw 2-D shapes using given dimensions and angles 	4
<u>Geometry- position and direction</u> <ol style="list-style-type: none"> 9. describe positions on the full coordinate grid (all four quadrants) 	4
<u>Statistics</u> <ol style="list-style-type: none"> 10. interpret and construct pie charts and line graphs and use these to solve problems 11. calculate and interpret the mean as an average 	3,4,6 3,4,6

Year 6	Spring 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. use negative numbers in context, and calculate intervals across zero 3. solve number and practical problems that involve of the above. 	Core objective 3,4 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	
<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. compare and order fractions, including fractions >1 12. multiply one-digit numbers with up to two decimal places by whole numbers 13. recall and use equivalences between simple fractions, decimals and percentages, including in different contexts 14. use common factors to simplify fractions; use common multiples to express fractions in the same denomination 	Core objective 1,4 4,6 1,2, 4 4	
<u>Ratio and proportion</u>		
<u>Algebra</u> <ol style="list-style-type: none"> 15. Use simple formulae 16. generate and describe simple linear number sequences 17. express missing number problems algebraically 18. find pairs of numbers that satisfy an equation with two unknowns 19. enumerate possibilities of combinations of two variables 	4,5,6 4,5,6 4,5,6 4,5,6 4,5,6	
<u>Measurement</u> <ol style="list-style-type: none"> 20. solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate 21. 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 	4,5 4,5	

<u>Geometry- properties of shape</u> 22. draw 2-D shapes using given dimensions and angles 23. compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons 24. recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles.	
<u>Geometry- position and direction</u> 25. describe positions on the full coordinate grid (all four quadrants) 26. draw and translate simple shapes on the coordinates plane and reflect them in the axes	4,6
<u>Statistics</u> 27. interpret and construct pie charts and line graphs and use these to solve problems 28. calculate and interpret the mean as an average	3,4,6 3,4,6