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| Upper |  |  | Significantly Below  Target | Below  Target | On Target | Above Target | Significantly Above |
| Middle |  | Significantly Below  Target | Below  Target | On Target | Above Target | Significantly Above  Target | |
| Lower | Significantly Below  Target | Below  Target | On Target | Above Target | Significantly Above  Target |  | |
| Year 7  Autumn Term 2  Number  Calculations | (Level 2)  Use mental recall of addition and subtraction facts to 10.  Given 14, 6 and 8, make related number sentences e.g.  6 + 8 = 14, 14 – 8 = 6,  8 + 6 = 14, 14 – 6 = 8  Begin to use repeated subtraction or sharing equally to solve division problems.  Decide whether to add or subtract to solve a problem and begin to explain how/ why they have made that decision.  Use the concept of a fraction of a number in practical contexts such as sharing sweets between two to get ½ each. | (Level 3)  Add and subtract two digit integers mentally. Add and subtract three digit integers using written methods.  Use mental recall of addition and subtraction facts to 20 in solving problems involving larger numbers.  Use understanding of place value to multiply/ divide whole numbers by 10 (whole number answers.)  Use mental recall of the 2, 3, 4, 5 and 10 multiplication tables.  Begin to know multiplication facts for 6, 8, 9 and 7x tables  Multiply and divide two digit numbers by 2, 3, 4 or 5 as well as 10 with whole number answers and remainders.  Given a number sentence, use understanding of operations to create related sentences, e.g. given 14 x 5 = 70, create 5 x 14 = 70, 70 ÷ 5 = 14 etc.  Round whole numbers to the nearest 10, 100 or 1000. | (Level 4)  Calculate mentally a difference such as 8006 - 2993 by 'counting up' or by considering the equivalent calculation of 8006 - 3000 + 7.  Carry out simple calculations involving negative numbers in context.  Add and subtract three (or more) digit numbers, including decimals, using a written method.  Use place value to multiply and divide whole numbers by 10 or 100. Use their knowledge of tables and place value in calculations with multiples of 10 such as 180 ÷ 3.  Recall multiplication facts up to 10 × 10 and quickly derive corresponding division facts.  Multiply a simple decimal by a single digit.  Multiply two digit integers by a single digit integer.  Know simple tests for divisibility. Divide by a single digit number.  Check the reasonableness of results with reference to the context or size of numbers.  Use a calculator and inverse operations to find missing numbers, including decimals  Round to any power of 10. | (Level 5)  Use understanding of place value to multiply and divide whole numbers and decimals by 10, 100 and 1000 and explain the effect  Understand and use an appropriate non-calculator method for solving problems that involve multiplying and dividing any three-digit number by any two-digit number, e.g. 6.24 × 8, 673 × 24, 3199 ÷ 7  Apply inverse operations and approximate to check answers to problems are of the correct magnitude  Order, add, subtract, multiply and divide negative numbers.  Use conventional notation for the priority of operations including brackets.  Round to a given decimal place.  Add and subtract fractions with common denominators. | (level 6)  Carry out multiplications and divisions involving decimal numbers.  Use conventional notation for the priority of operations including brackets, powers, roots and reciprocals.  Interpret fractions and percentages as operators.  Add and subtract fractions by writing them with a common denominator.  Multiply and divide an integer by a fraction. | (level 7)  Make and justify estimates and approximations of calculations, rounding to one significant figure.  Understand and use efficient methods to add, subtract, multiply and divide fractions, including mixed numbers and questions that involve more than one operation.  Find maximum and minimum values for a measurement that has been rounded to a given degree of accuracy | |