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| **Addition** | **Using number facts**   * Derive, quickly and without difficulty, number bonds to 1000 **(6A.1)** * Know by heart number bonds to 100 and use these to derive related facts e.g. *3·46 + 0·54* **(6A.2)** | **Mental Calculation**   * Add small and large whole numbers where the use of place value or number facts makes the calculation do-able mentally e.g. *34* *000 + 8000* * Add multiples of powers of 10 and near multiples of the samee.g. *6345 + 199* * Add two 1-place decimal numbers or two 2-place decimal numbers less than 1 e.g. *2.4 + 5.8 =* e.g. *0·74 + 0·33* **(6A.4)** * Add a positive number to a negative numbers in a context such as temperature **(6A.3)** | **Efficient Written Addition**   * Use column addition to add decimal numbers with up to 3 decimal places **(6A.5)** |

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| **Subtraction** | **Using Number Facts**   * Know by heart/ quickly derive number bonds to 1, 10 and 100 and use these to derive related facts e.g. *10 – 3·65 as 0·35 + 6* * Derive, quickly and without difficulty, number bonds to 1000 e.g. *1000 – 654 as 46 + 300 in our heads***(6S.1)** | **Mental Calculation**   * Subtract negative numbers in a context such as temperature where the numbers make sense * Subtract multiples of powers of 10 and near multiples of the same | **Efficient Written Subtraction**   * Use column subtraction to subtract decimal numbers with up to 3 decimal places **(6S.3)** |

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| **Multiplication** | **Using Number Facts**   * Use doubling and halving as mental multiplication strategies, including to multiply by 2, 4, 8, 5, 20, 50 and 25e.g. *28 × 25 is a quarter of 28 × 100 = 700* **(6M.2)** | **Doubling and Halving**   * Double decimal numbers with up to 2 places using partitioning e.g. *36·73 doubled is double 36 (72) plus double0·73 (1·46)* | **Grouping**   * Multiply 1- and 2-place decimals by numbers up to and including 10 using place value and partitioning e.g. *3·6 × 4 is 12 + 2·4*  e.g. *2·53 × 3 is 6 + 1·5 + 0·09* **(6M.3)** * Use rounding in mental multiplication e.g. *34 × 19 as (34 × 20) – 34* **(6M.4)** | **Place Value**   * Multiply whole numbers and decimals with up to 3 places by 10, 100 or 1000 e.g. *234 × 1000 = 234* *000*  e.g. *0·23 × 1000 = 230* * Use place value and number facts in mental multiplication e.g. *4000 × 6 = 24* *000* e.g. *0·03 × 6 = 0·18* **(6M.1)** | | **Short Multiplication**   * Use short multiplication to multiply   a 1-digit number by a number with up to 4 d  **Long Multiplication**   * Use long multiplication to multiply a   2-digit number by a number with  up to 4 digits **(6M.5)**  **Short Multiplication**   * Use short multiplication to multiply a 1-digit number by a number with 1 or 2 decimal places, including amounts of money |
| **Division** | **Using Number Facts**   * Know by heart all the division facts up to 144 ÷ 12 **(4D.1)** * Identify common factors, common multiples and primes numbers and use factors in mental division e.g. *438 ÷ 6 is 219 ÷ 3 which is 73* | **Doubling and Halving**   * Halve decimal numbers with up to 2 places using partitioning e.g. *Half of 36·86 is half of 36 (18) plus half of 0·86 (0·43)* ***(*6D.3)** | **Place Value**   * Divide whole numbers by powers of 10 to give whole number answers or answers with up to 3 decimal places **(6D.1)** * Divide 1- and 2-place decimals by numbers up to and including 10 using place value e.g. *2·4 ÷ 6 = 0·4* e.g. *0·65 ÷ 5 = 0·13* e.g. *£6·33 ÷ 3 = £2·11* **(6D.2)** | | **Short Division**   * Use short division to divide a number with up to 4 digits by a 1 or 2 digit number **(6D4)**   **Long Division**   * Use long division to divide 3-digit and 4-digit numbers by ‘friendly’ 2-digit numbers **(6D.5)** * Give remainders as whole numbers or as fractions or as decimals **(6D.6)**      * Divide a 1-place or a 2-place decimal number by a number ≤ 12 using multiples of the divisors | |