**Mathematics in Year 4**

* Count backwards through zero to include negative numbers.
* Compare and order numbers beyond 1,000. Compare and order numbers with up to 2 decimal places.
* Read Roman numerals to 100.
* Find 1,000 more/less than a given number.
* Count in multiples of 6, 7, 9, 25 and 1000.
* Recall and use multiplication and division facts all tables to 12x12.
* Recognise the place value of any 4-digit number.
* Round any number to the nearest 10, 100 or 1,000.
* Round decimals with 1dp to nearest whole number.
* Add and subtract numbers with up to 4-digits using written columnar method.
* Multiply 2-digit by 1-digit and 3-digit by 1-digit
* Count up/down in hundredths.
* Recognise and write equivalent fractions. Add and subtract fractions with same denominator.
* Read, write and convert time between analogue and digital 12 and 24 hour clocks.

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| Y4 Addition | Y4 Subtraction |
| * Continue with columnar addition.

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| **H T O** 3 7 1 + 4 8 5 8 5 6 1  | **H T O** 3 7 6 + 4 8 5 8 6 1 1 1  | **Th H T O** 2 3 8 8 + 1 1 2 4 3 5 1 2  1 1  |

* Estimate and use inverse operations to check answers to a calculation.
* Add money using both £ and pence in practical contexts.
 | * Continue with partitioned columnar subtraction progressing to compact columnar subtraction.

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|   **H T O** 3413 7 - 1 8 2 2 5 5 |  **H T O** 34 12 3 12 - 1 8 7 2 4 5  |   **H T O** 56 910 14- 3 4 7 2 5 7 |  **Th H T O** 8 3 4 112 16 - 2 1 7 7 6 2 4 9 |

* Estimate and use inverse operations to check answers to a calculation.
* Subtract amounts of money using columnar method.

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| **Y4 Multiplication** |
| * Recall and use multiplication tables up to 12x12

 (Including multiplying by 0 and 1).* Continue using grid method and expanded method as appropriate, progressing to short multiplication.

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| x | 100 | 30 | 6 |
| 5 | 500 | 150 | 30 |

* Short Multiplication.

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| No carrying **T O** 3 2 x 3 9 6 | Extra digit **H T O** 5 1 x 2 1 0 2 | Carrying  **H T O**  3 8 x 7  2 6 6 5 | Zeros **H T O** 2 0 2 x 4 8 0 8 | Ext. **H T O** 5  x 4 6 1 2 2 1  |

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| Y4 Division |
| * Recall and use all division facts for all tables up to 12 (Including dividing by 1).
* Continue with short division method.

* Progressing to short division with remainders.

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|   2 0 4 4) 8 1 16  |  1 4 1 r1 3) 4 12 4 |

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