**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.  |  |  |  | | --- | --- | --- | | **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.  |  |  |  |  | | --- | --- | --- | --- | | **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.        |  |  |  |  | | --- | --- | --- | --- | | x | 100 | 30 | 6 | | 5 | 500 | 150 | 30 |  * Short Multiplication.  |  |  |  |  |  | | --- | --- | --- | --- | --- | | 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.  |  |  | | --- | --- | | 2 0 4  4) 8 1 16 | 1 4 1 r1  3) 4 12 4 | |