## Number: Multiplication and Division

| MULTIPLICATION \& DIVISION FACTS |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| F1 | F2 | Early Learning Goals | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
| To learn about sharing between groups of people/toys. | To be introduced to the concepts of sharing equally and doubling | Explore and represent patterns within numbers up to 10 , including evens and odds, double facts and how quantities can be distributed equally | count in multiples of twos, fives and tens (copied from Number and Place Value) | count in steps of 2, 3, and 5 from 0 , and in tens from any number, forward or backward (copied from Number and Place Value) | count from 0 in multiples of 4, 8, 50 and 100 (copied from Number and Place Value) | count in multiples of $6,7,9,25$ and 1 000 (copied from Number and Place Value) | count forwards or backwards in steps of powers of 10 for any given number up to 1000000 (copied from Number and Place Value) |  |
|  | To understand concept of odd and even numbers |  |  | recall and use multiplication and division facts for the 2,5 and 10 multiplication tables, including recognising odd and even numbers | recall and use multiplication and division facts for the 3,4 and 8 multiplication tables | recall <br> multiplication and division facts for multiplication tables up to $12 \times$ 12 |  |  |
| MENTAL CALCULATION |  |  |  |  |  |  |  |  |
|  | Automatically recall number bonds for numbers 010 | Automatically <br> Recall number <br> bonds up to <br> 5 and some <br> number <br> bonds to 10 <br> including <br> double facts |  |  | write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for twodigit numbers times one-digit numbers, using mental and progressing to formal written methods | use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1 ; dividing by 1; multiplying together three numbers | multiply and divide numbers mentally drawing upon known facts | perform mental calculations, including with mixed operations and large numbers |

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| ORDER OF OPERATIONS |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| F1 | F2 | Early Learning Goals | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
|  |  |  |  |  |  |  |  | use their knowledge of the order of operations to carry out calculations involving the four operations |
| INVERSE OPERATIONS, ESTIMATING AND CHECKING ANSWERS |  |  |  |  |  |  |  |  |
|  |  |  |  |  | estimate the answer to a calculation and use inverse operations to check answers (copied from Addition and Subtraction) | estimate and use inverse operations to check answers to a calculation (copied from Addition and Subtraction) |  | use estimation to check answers to calculations and determine, in the context of a problem, levels of accuracy |

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