## Multiplication and Division

| Multiplication and Division Facts |  |  |  |  |  |  |
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| EYFS | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
| explore and represent patterns within numbers up to 10 , including evens and odds, double facts and how quantilies can be distributed equally | count in multiples of twos, fives and tens (Number and Place Value) | count in steps of 2, 3, and 5 from 0 , and in tens from any number, forward or backward (Number and Place value) <br> recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers | count from 0 in multiples of $4,8,50$ and 100 (Number and Place value) <br> recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables | count in multiples of 6, 7, 9, 25 and 1000 (Number and Place value) <br> recall multiplication and division facts for multiplication tables up to $12 \times 12$ | count formards or backwards in steps of powers of 10 for any given number up to 1000000 <br> (Number and Place Value) <br> Retrieval from $Y 4$ : recall multiplication and division facts for multiplication tables up to $12 \times 12$ | Retrieval from Y4: recall multiplication and division facts for multiplication tables up to $12 \times 12$ |
| Mental Calculation |  |  |  |  |  |  |
|  |  | show that multiplication of two numbers can be done in any oxder (commutative) and division of one number by another cannot | write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods (appears also in 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 <br> recognise and use factor pairs and commutativity in mental calculations | multiply and divide numbers mentally drawing upon known facts <br> multiply and divide whole numbers and those involving decimals by 10, 100 and 1000 | perform mental calculations, including with mixed operations and large numbers <br> Retrieval from Y5: multiply and divide whole numbers and those involving decimals by 10, 100 and 1000 |
| Written Calculation |  |  |  |  |  |  |
|  |  | calculate mathematical statements for multiplication and division within the | write and calculate mathematical statements for multiplication and | multiply two-digit and three-digit numbers by a one-digit number | multiply numbers up to <br> 4 digits by a one- or two-digit number using <br> a formal written | multiply mulli--igit numbers up to 4 digits by a two-digit whole number using |




