Progression in Multiplication and Division

| MULTIPLICATION AND DIVISION FACTS |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
| count in multiples of ones, twos, and tens | count in steps of 2, 3, and 5 from 0 , and in tens from any number, forward or backward | count from 0 in multiples of 4, 8,50 and 100 | count in multiples of $6,7,9,25$ and 1 000 | count forwards or backwards in steps of powers of 10 for any given number up to 1000000 | recall multiplication and division facts for multiplication tables up to $12 \times 12$, including missing number equations. Recall speed / corresponding division facts / facts 12-20x |
| recall and use multiplication and division facts for the 1, 2, 10 multiplication tables, | recall and use multiplication and division facts for the 5, 3, 4 multiplication tables, including recognising odd and even numbers | recall and use multiplication and division facts for the 7,6 and 8 multiplication tables | recall multiplication and division facts for multiplication tables up to $12 \times 12$, including direct teaching of the 11,9 , 12 times tables | recall division facts for multiplication tables up to $12 \times 12$, Recall speed / corresponding division facts / facts 12-20x |  |


|  | show that multiplication of two <br> numbers can be done in any order <br> and division of one number by <br> another cannot |
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| write and calculate mathematical |
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| 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 |


| use place value, known and derived <br> facts to multiply and divide mentally, <br> including: <br> multiplying by 0 and 1 ; dividing by 1 ; <br> mult tiplying together three numbers | multiply and divide numbers mentally <br> drawing upon known facts |
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| recognise and use factor pairs and <br> commutativity in mental calculations | multiply and divide whole numbers and <br> those involving decimals by 10,100 <br> and 1000 |

perform mental calculations including
with mixed operations and large
numbers
MEASURING
AND
CALCULATING



