## Acre Hall Skills Map for Maths

|  |  | MULTIPLICATION \& DIVISION FACTS |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Nursery | Reception | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
| Shares by dealing out a group of objects between two people. | Solves <br> sharing problems using concreate objects up to 20 and between two and five people | 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 1000 (copied from Number and Place Value) | count forwards or backwards in steps of powers of 10 for any given number up to $1000000$ <br> (copied from Number and Place Value) |  |
|  | Solves small number multiplication problems by sorting objects into small groups. |  | 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 |  |  |  |  |  |
|  |  |  |  | write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit | use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1 ; dividing by | multiply and divide numbers mentally drawing upon known facts | perform mental calculations, including with mixed operations and large numbers |


|  |  |  | numbers times onedigit numbers, using mental and progressing to formal written methods (appears also in Written Methods) | 1; multiplying together three numbers |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot |  | recognise and factor pairs and commutativity mental calculations (appears also in Properties of Numbers) |  | multiply and divide whole numbers and those involving decimals by 10 100 and 1000 | associate a fraction with division and calculate decimal fraction equivalents (e.g. 0.375) for a simple fraction (e.g. 3/8) (copied from Fractions) |
|  | WRITTEN CALCULATION |  |  |  |  |  |  |
|  | Year 1 | Year 2 | Year 3 | Year 4 |  | Year 5 | Year 6 |
|  |  | calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication ( $\times$ ), | write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including | multiply twodigit and threedigit numbers by a one-digit number using formal written layout | num digit or t num form met incl mul | tiply <br> bers up to 4 <br> s by a one- <br> wo-digit ber using a mal written hod, uding long tiplication for | tiply multi-digit bers up to 4 digits two-digit whole mber using the mal written method ong multiplication |




| ORDER OF OPERATIONS |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 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 |

