| Year 1/2-Multiplication | Solve 1-step problems using multiplication |  |
| :---: | :---: | :---: | :---: |
| Concrete | Pictorial | Abstract |


| Year 3/4-Multiplication | Multiply 2-digit numbers by 1-digit numbers |
| :---: | :---: |
| Concrete | Pictorial Abstract |
| The calculation is shown alongside the use of concrete resources |  $34 \times 5=170$ |
| Key skills and concepts | When multiplying 2-digit numbers by 1-digit numbers: <br> - The expanded method can be used before moving on to the short multiplication method <br> - Place value counters are used to support the understanding of the method rather than the supporting of multiplication, as children should use their times table knowledge. |


| Year 3/4-Multiplication | Multiply 3-digit numbers by 1-digit numbers |  |
| :---: | :---: | :---: |
| Concrete | Pictorial | Abstract |
|  | Alongside the use of concrete resources images and drawings of these resources are used. | $245 \times 4=980$ |
| Key skills and concepts | When multiplying 3-digit numbers <br> - When moving to 3-digit by 1 to move towards the short, form <br> - Base 10 \& place value count written method. <br> - Limit the number of exchange using resources when multiply | t numbers: <br> ltiplication encourage children itten method. ort the understanding of the <br> d \& move children away from er numbers. |


| Year 5 - Multiplication | Multiply 4-digit numbers by 1-digit numbers |
| :---: | :---: |
| Concrete | Pictorial ${ }^{\text {a }}$ Abstract |
|  |  |
| Key skills and concepts | When multiplying 4-digit numbers by 1-digit numbers: <br> - Place value counters are the most effective manipulatives <br> - Place value counters are used to support the understanding of the method rather than the supporting of multiplication, as children should use their times table knowledge. |




| Year 5/6-Multiplication | Multiply 4-digit numbers by 2-digit numbers |
| :---: | :---: |
| Concrete | Pictorial Abstract |
| The calculation can be shown alongside the use of place value counters to link to previous learning. | Alongside the use of place value counters, images and drawings of these resources can be used to link to previous learning. $2,739 \times 28=76,692$ |
| Key skills and concepts | When multiplying 4-digit numbers by 2-digit numbers: <br> - Children should already be confident with the written method <br> - If they are struggling with times tables, provide multiplication grids <br> - Ensure exchanged digits are placed underneath and keep this consistent. |

