## BEECHFIELD SCHOOL

## Maths Calculation Procedure



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| 4 | Can you add and subtract numbers with up to 4 digits using the column method when it is necessary? |   |  |  | $\begin{gathered} \text { Ones } \\ 808 \varnothing \\ \hline 80 . \end{gathered}$ | $\begin{array}{r}31 \\ 4357 \\ -2735 \\ \hline 1622 \\ \hline\end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 5 | Can you add and subtract numbers with more than 4 digits using the column method, including with exchanging/regrouping? Can you add and subtract decimal numbers? | Methods for adding larger numbers the same as previous methods. | Methods for adding larger number | he same as previous metho |  |  |
| 6 |  | Methods the same as Year 5 | Methods the same as Year 5 |  |  |  |

## BEECHFIELD SCHOOL

## Maths Calculation Policy

| Multiplication and Division |  |  |  |
| :---: | :---: | :---: | :---: |
| Year |  | Multiplication | Division |
| 1 |  |  |  |
| 2 | Can you use $\mathrm{x} \div$ and $=$ to write multiplication and division calculations? | Children will use concrete resources and then arrays to see that multiplication is about repeated addition. | Division needs to be seen as both sharing and grouping. <br> $20 \div 5=$ Can be seen as sharing 20 into 5 groups or determining how many groups of 5 are in 20. <br> Children will be encouraged to use their known multiplication facts to help with division. |
| 3 | Can you write multiplication statements (using your times tables knowledge)? <br> Can you write division statements (using your times tables knowledge)? | Children will move from dienes (blocks of 1s, 10s and 100s) to place value counters to the column method. |  <br> Remainders are also introduced in Year 3. <br> Children will move from dienes (blocks of 1 s , 10 s and 100s) to place value counters to jottings. <br> Children will use their known multiplication facts to help them to divide larger numbers. $52 \div 4=$ <br> Children know that $40 \div 4=10$ and $12 \div 4=3$ <br> Using their knowledge of grouping (from year 2) the can see that there are 13 groups of 4 in 52. |
| 4 | Can you multiply 2 and 3 digit numbers by a 1 digit number using the column method? Can you divide 3 digits numbers by 1 digit? |  | $\begin{array}{c\|c\|c\|} \hline & 1 & 3 \\ \hline 4 & 5 & 12 \end{array}$ |

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Can you multiply up to 4 digit by 1 or 2 digit numbers using a formal method? Can you use long multiplication to multiply a number by a 2 digit number?
Can you divide up to a 4 digit number by a 1 digit number using a formal method? (including with remainders)


The grid method is used here as children are multiplying 2 two-digit numbers together.


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