## Year Five Addition



Children need to start using the column method to add more than two values
$48216+37452+11367=97035$

| 4 | 8 | 2 | 1 | 6 |
| :--- | :--- | :--- | :--- | :--- |
| +3 | 7 | 4 | 5 | 2 |
| +1 | 1 | 3 | 6 | 7 |
| 9 | 7 | 0 | 3 | 5 |
| 1 | 1 | 1 | 1 |  |

Columnar Addition with Decimals
Zero (0) should be used as a place holder to ensure that the numbers are to the same decimal place

Zero is added to show there is no value to add

It is important that children recognise that they are adding tenths and hundredths and that they understand they are adding part of a number not a whole number


## Subtraction



## Formal column method is used to solve problems in the context of measure, for examples, weight and money

The decimal point needs to be lined up like all of the other place value columns
Children should use actual coins to subtract or pictorial resources to support understanding (pictures of amounts of weights)


## Multiplication

| Year Five | Pupils should be able to: |  | multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long <br> multiplication for two-digit numbers |
| :--- | :--- | :--- | :--- |
| Short Multiplication | $658 \times 8=\quad$ HTO $\times \mathrm{O}=$ | $2741 \times 6=$ |  |
| $77 \times 9=23 \times 6=\quad$ TO $\times \mathrm{O}=$ |  |  |  |




Answer: 299


HTO $\times$ TO $=$
$124 \times 26=$

|  | 1 | 2 | 4 | $\times$ | 2 | 2 | 6 | $=$ |  | 3 | 2 |  | 2 | 4 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | '1 | ${ }^{2} 2$ | 4 |  |  |  |  |  |  |  |  |  |  |  |
| $\times$ |  | 2 | 6 |  |  |  |  |  |  |  |  |  |  |  |
|  | 7 | 4 | 4 |  |  |  |  |  |  |  |  |  |  |  |
| 2 | 4 | - 8 | 0 |  |  |  |  |  |  |  |  |  |  |  |
| 3 | 2 | 2 | 4 |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Answer: 3224

## Division

- Divide numbers mentally, drawing upon known facts
- Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context
- Divide whole numbers and those involving decimals by 10,100 and 1,000
- Solve problems involving division, including using their knowledge
- Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign


