Способ проверки сложения путём выбрасывания девяток.

1. Выполни сложение.
2. Сделай проверку. Для этого найди контрольное число каждого слагаемого и суммы. Чтобы найти контрольное число, надо складывать все числа, выбрасывая девятки до тех пор, пока не получится однозначное число.

Пример:3 +7+9+9+1+9 = 11 = 1+1 =2

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

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

Проверка вычитания выполняется аналогично, но контрольные числа складывают снизу-вверх или к каждому контрольному числу прибавляют 9.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 5 | 1 | 4 | 3 | 2 | 8 | 9 |  |
| - |  | 3 | 7 | 9 | 8 | 0 | 1 | 2 |  |
|  | 1 | 1 | 3 | 4 | 5 | 2 | 7 | 7 |  |

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

Проверка умножения выполняется так же.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 8 | 4 | 2 | 1 | 0 | 6 | 3 | 2 | 1 |  |  |
| х |  |  |  |  |  |  |  |  | 8 | х |  |
| 6 | 7 | 3 | 6 | 8 | 5 | 0 | 5 | 6 | 8 |  |  |

При умножении на многозначное число проверяются только слагаемые и произведение, промежуточный результат не проверяется!

не проверяется

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 3 | |  | |  | |  | | 7 | 7 | 3 | 2 | 9 | 0 | 1 | 2 |  |
| + | | 8 | | 1 | | 0 | | 0 | | 2 | | 3 | | 5 | |  | |  | |  | | 2 | 1 | 0 | 9 | 8 | 7 | 6 | 6 |  |
|  | | 3 | | 7 | | 9 | | 9 | | 1 | | 9 | | 2 | | 14 | |  | | + | | 5 | 4 | 6 | 7 | 8 | 8 | 2 | 4 | 10 |
|  | | 4 | | 4 | | 5 | | 5 | | 2 | | 2 | | 4 | | 5 | |  | |  | | 7 | 5 | 6 | 0 | 0 | 3 | 1 | 4 |  |
| 1 | | 7 | | 5 | | 8 | | 9 | | 2 | | 0 | | 5 | | 5 | |  | |  | | 8 | 2 | 1 | 1 | 5 | 4 | 9 | 3 |  |
|  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | 3 | | 1 | 0 | 8 | 2 | 2 | 3 | 9 | 1 | 1 |
| |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | 1 | 5 | 1 | 4 | 3 | 2 | 8 | 9 | 6 | | - |  | 3 | 7 | 9 | 8 | 0 | 1 | 2 | -3 | |  | 1 | 1 | 3 | 4 | 5 | 2 | 7 | 7 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | 8 | | 9 | | 7 | | 6 | | 2 | | 4 | | 3 | | 1 | | 4 | | 13  4 | |
| - |  | |  | | 2 | | 5 | | 9 | | 0 | | 1 | | 9 | | -8 | | +8 | |
|  | 8 | | 9 | | 5 | | 0 | | 3 | | 4 | | 1 | | 2 | | 5 | | 5 | |
| |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | 8 | 4 | 2 | 1 | 0 | 6 | 3 | 2 | 1 | 0 | 0 | | х |  |  |  |  |  |  |  |  | 8 | Х8 | 8 | | 6 | 7 | 3 | 6 | 8 | 5 | 0 | 5 | 6 | 8 | 45 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  | 6 | 7 | 8 | 9 | 3 | 4 | 2 | 1 | 0 | 0 | 7 | 11 | 2 | | х |  |  |  |  |  |  |  |  |  |  | 3 | 7 | Х1 | Х1 | | + | 4 | 7 | 5 | 2 | 5 | 3 | 9 | 4 | 7 | 0 | 4 | 9 |  |  | | 2 | 0 | 3 | 6 | 8 | 0 | 2 | 6 | 3 | 0 | 2 | 1 |  |  |  | | 2 | 5 | 1 | 2 | 0 | 5 | 6 | 5 | 7 | 7 | 2 | 5 | 9 | 20 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |