

1. Start with the one's column.
2. While the current column has a number for either of the addends, repeatedly
 - (a) Add the two numbers in the current column plus any carry from last time; let's call this result the "sum."
 - (b) Write the one's column of the sum in the current column of the answer.
 - (c) Write the ten's column of the sum in the carry space of the next column to the left.
 - (d) Let the next column to the left become our new current column.
3. If the last round of the repetition had a carry, write it in a new column for the answer.