

Multiplying Decreasing Integers By 9 Minus 1:

A. There is a pattern that develops when multiplying decreasing consecutive integers by 9:

1. This method works, only if you are multiplying decreasing consecutive integers by 9 (the last number MUST end in 1) and then subtracting 1.
2. Subtract 1 from the first digit and write it down. Next, write the same number of 8's as in the number being multiplied.

Ex [1] $4321 \times 9 - 1 = \underline{\hspace{2cm}}$.

- a. $4 - 1 = 3$. Write 3.
- b. Since there are 4 digits we write 4 8's.
- c. The answer is 38888.

Ex [2] $7654321 \times 9 - 1 = \underline{\hspace{2cm}}$.

- a. $7 - 1 = 6$.
- b. Since there are 7 digits we write 7 8's.
- c. The answer is 688888888.

B. As in the [*Multiplying By 9 \(#1\)*](#), be careful and make sure the question is subtracting 1 on the end.