Multiplying Consecutive Integers By 8:

A. There is a pattern that develops when multiplying consecutive integers by 8.

    1. This method works only if you are multiplying increasing consecutive integers (MUST start with 1) by 8 and adding the last digit back.

    2. The answer will be in the form: 987...., where the number of digits is equal to the number of digits be multiplied by.

       Ex [1] 1234 x 8 + 4 = _____ .

         a. Since there are 4 digits we write 9876. (Notice there are only 4 digits in the answer.)

         b. The answer is 9876.

       Ex [2] 12345678 x 8 + 8 = _____ .

         a. Since there are 8 digits we write 98765432.

         b. The answer is 98765432.

B. As in the case with *Multiplying By 9 (#1)* and *Multiplying By 9 (#2)* you must be careful that the number added is equal to the last digit.