Multiplying Consecutive Integers By 9:

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

   1. If you are multiplying consecutive increasing integers by 9 (the numbers MUST start with 1) and adding the next consecutive number, then use the following:

      a. Write the same number of 1's as the number that is being added.

         Ex [1] 1234 x 9 + 5 = _____.

            a. In this example we simply write 5 1's.

            b. The answer is 11111.

         Ex [2] 123456 * 9 + 7 = _____.

            a. In this example we write 7 1's.

            b. The answer is 1111111.

   2. Sometimes the problem will try to trick you by adding something other than the next digit.

         Ex [3] 12345 x 9 + 4 = _____.

            a. Normally, the last number should be 6 but since it is 4, we must subtract 2.

            b. So the answer is 111111 - 2 or 111109.

            c. The answer is 111109.