Multiplying Two Numbers Greater Than 100, But Close To 100:

A. From algebra we learn:

$$(100 + a)(100 + b) = 100(100 + a + b) + ab$$

B. Using numbers instead of variables we get the following:

1. Multiply the one's digits together. Write this number down (make sure that it takes up 2 place values).
2. Add the one's digits together. Write the result (make sure that it takes up 2 place values).
3. Write 1.

Ex [1] 104 x 102 =_____.

a) 4 x 2 = 8. Write 08 to take up 2 place values.

b) 4 + 2 = 6. Write 06 to take up 2 place values.

c) Write 1.

d) The answer is 10608.

Ex [2] 106^2 =_____.

a) 6 x 6 = 36. Write 36.

b) 6 + 6 = 12. Write 12.

c) Write 1.

d) The answer is 11236.