Multiplying Two Numbers Less 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. Find the difference between both of the numbers and 100.
2. Multiply these two values together and write it down. Make sure the answer takes up 2 place values.
3. Subtract the difference found in step 1 of one of the numbers with the remaining number. Write the result.

Ex [1] 98 x 97 =_____.

a) 100 – 98 = 2.

b) 100 – 97 = 3.

c) 2 x 3 = 6. Write 06 to take up 2 place values.

d) 98 – 3 = 95. Write 95. (You can also use 97 – 2 = 95)

e) The answer is 9506.

Ex [2] 88 x 93 =_____.

a) 100 – 88 = 12.

b) 100 – 93 = 7.

c) 12 x 7 = 84. Write 84.

d) 93 – 12 = 81. Write 81. (You can also use 88 – 7 = 81)

e) The answer is 8184.