Multiplying By 101:

A. When multiplying a 2 digit number by 101, simply write the number down twice.

>   Ex [1] 53 x 101 = 5353.

>   Ex [2] 49 x 101 = 4949.

B. Sometimes there are variations of 101 like 201, 203, 104, etc. In problems like these you can use the following:

>   Ex [1] 23 x 203 =_____.

>   a) Multiply 23 x 2 = 46.

>   b) Multiply 23 x 3 = 69.

>   c) The answer is 4669.

C. When multiplying a 3 digit number by 101 the following rules apply:

>   1. Write down the last 2 digits of the number.

>   2. Take the number in the hundred's digit and add back to the number.

>   Ex [1] 453 x 101 =_____.

>   a) Write 53.

>   b) 4 + 453 = 457. Write 457

>   c) The answer is 45753.

>   Ex [2] 998 x 101 =_____.

>   a) Write 98.

>   b) 9 + 998 = 1007. Write 1007.

>   c) The answer is 100798.