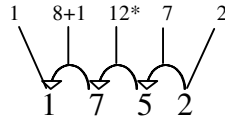**Multiplying By 11**

    A. When multiplying by 11 there are certain steps you need to follow:

        1. Write down the last digit of the number.

        2. Add the last digit to the number to its left. Write this number down, carry if necessary.

        3. Moving left, keep adding the digit to the digit to its left. Write down the numbers, carrying if necessary

        4. When you reach the first digit write this number down.

        Ex [1] 1752 x 11 = _____.

$$1 \quad 8+1 \quad 12^* \quad 7 \quad 2$$
$$1 \quad 7 \quad 5 \quad 2$$

        a) Write down the 2.

        b) $2 + 5 = 7$. Write down 7.

        c) $5 + 7 = 12$. Write down 2 and carry the *1.

        d) $7 + 1 = 8 + {}^*1 = 9$. Write down the 9.

        e) Write down the 1 since there is nothing to carry.

        f) The answer is 19272.

        Ex [2] 35 x 11 = _____.

        a) Write down 5.

        b) Add $5 + 3$ which equals 8. Write down 8.

        c) Since there is nothing to carry write down 3.

        d) The answer is 385.