

Name \_\_\_\_\_

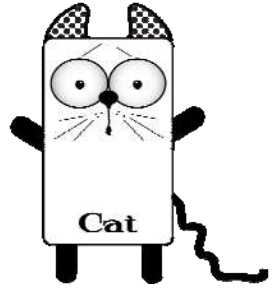
Date \_\_\_\_\_

## Vertical Multiplication Lesson

Complete the following problems.

$$\begin{array}{r} \text{a)} \quad 8 \\ \times \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} \text{b)} \quad 6 \\ \times \quad 3 \\ \hline \end{array}$$



In both cases, when multiplying single digit numbers we can look at it like a big addition problem. When you are multiplying a number you are just looking for the sum of the number of times you are multiplying the number. So each problem can be re-written as:

$$\begin{array}{r} \text{a)} \quad 8 \\ \times \quad 5 \\ \hline \end{array} = 8 + 8 + 8 + 8 + 8 \quad (\text{The sum of } 8; 5 \text{ times})$$

$$\begin{array}{r} \text{b)} \quad 6 \\ \times \quad 3 \\ \hline \end{array} = 6 + 6 + 6 \quad (\text{The sum of } 6; 3 \text{ times})$$

We can complete the problems by completing the sums.

$$\text{a)} \quad 8 + 8 + 8 + 8 + 8 = 40$$

$$\text{b)} \quad 6 + 6 + 6 = 18$$

