**Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Teacher’s Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Capture the Flag: Estimation is the Root of Fluency – Multiplication with Decimals**

**Due September 11th**

The water machine at the local grocery store fills a jug with 3.7 liters of water. If you fill 4 jugs, how many liters of water is that?

Begin with an estimate. Is it more than 12? What is the most it could be?

Now compute the exact answer.

Now let’s compare two multiplication problems:

43.4 x 4.3 and 434 x 43

How are they alike? How are they different?

What similarities do you see between the two products? What difference do you see between the two products?