Name _____   Date _____

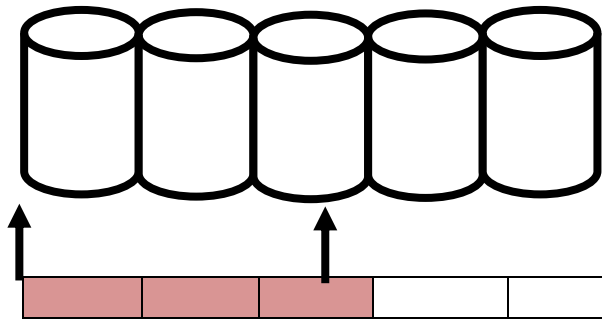## Products of Fractions and Mixed Numbers Word Problems –

Step-by-Step Lesson

Mary made apple jam and mango jam. She made enough apple jam to fill 5 jars. If she made 3/5 as much mango jam as apple jam, how many jars of mango jam did she make?

Explanation:

Step 1) Mary made the 5 jars of apple jam below. The bars below the jars show us the amount of Mango jam she made. You can see that our final answer is going to be somewhere around 3.

 Step 2) To multiply a fraction by a whole number, write the whole number as a fraction with 1 as the denominator.

If we multiply 5 by 3/5, we get:

$$\frac{3}{5} \times 5 \;=\; \frac{3 \times 5}{5 \times 1} \;=\; \frac{15}{5} \text{ or } 3 \text{ jars}$$

This number meets right with what we were expecting. Mary made 3 jars of mango jam.