Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Unit 2 End of Module Study Guide**

1) Express the missing divisor using a power of 10. Explain your reasoning using a place value model.

a. 3,550 ÷ \_\_\_\_\_\_\_ = 35.50 b. 35.5 ÷ \_\_\_\_\_\_\_ = 0.00355

**2) Estimate** the quotient by rounding the equation to relate to a basic multiplication fact. Explain your thinking in the space below.

a. 460 ÷ 91 ≈ \_\_\_\_\_\_\_\_ b. 4850 ÷ 700 ≈ \_\_\_\_\_\_\_\_\_\_

3) Generate and solve another division problem with the same quotient and remainder as the two problems below. Explain your strategy for creating the new problem.

a. 49 ÷ 6 = \_\_\_\_\_\_\_ b. 81 ÷ 10 = \_\_\_\_\_\_\_\_\_

**Use decimal division** to solve the following problems.

42 ÷ 8 = \_\_\_\_\_\_\_ 155 ÷ 25 = \_\_\_\_\_\_\_\_

A baker uses 3 lb of flour daily. (1 lb = 16 oz)

a) How many ounces will he use in 3 weeks?

b) A loaf of bread requires 8 oz of flour. How many full loaves can he make in two weeks?

c) The baker pays $0.50 per pound of sugar and $0.75 per pound of butter. **Write an expression** that shows how much the baker will spend if he buys 10 pounds of butter and 6 pounds of sugar.

d) Sprinkles cost 1/10 as much as a pound of sugar. Find the baker’s total cost for 1000 pounds of sprinkles. Explain the number of zeros and the placement of the decimal in your answer using a place value chart.