NAME _____ DATE _____ PERIOD _____

Problem-Solving Practice

Multiply Fractions and Whole Numbers

RECIPE For Exercises 1–3, use the table.

The table lists the ingredients for a batch of dog biscuits.

Dog Biscuit Recipe	
$\frac{3}{4}$ cup	broth
$\frac{1}{3}$ cup	margarine
$\frac{1}{2}$ cup	powdered milk
$\frac{1}{2}$ teaspoon	salt
1	egg
3 cups	flour

1. Delroy is going to a dog adoption day at his local animal shelter. He wants to make 4 batches of dog biscuits for the dogs. How many cups of margarine will he need?

2. Nadia will make only half a batch of dog biscuits so she will only need half of each ingredient. How much flour should Nadia use?

3. While Reese was making a batch of biscuits, her dog jumped up on the counter and spilled $\frac{1}{4}$ of the flour on the floor. How much flour spilled on the floor?

4. ART Shen is making statuettes out of clay. Each statuette needs $\frac{3}{8}$ pound of clay. If he makes 12 statuettes, how many pounds of clay will he use?

5. SOFTBALL Out of 18 times at bat, Jen got a hit $\frac{5}{6}$ of the time and Kasa got a hit $\frac{8}{9}$ of the time. Who got more hits? How many more?

6. CYCLING A bike race is 32 miles long. By noon, Izek had ridden $\frac{3}{4}$ of the distance. How many more miles did he need to ride to finish the race?