Name _____ **Date** _____

Solving Word Problems with Fractions

Write an equation to help you solve the problem. Use "x" as the variable. When appropriate, state answers as mixed numbers. Simplify all fractions.

1. Pat worked 16 hours last week at Burger and Shake. Her friend worked half of Pat's hours. What was the total number of hours that the girls worked last week?

2. Jonas is buying a display case for his insect collection. He's trying to figure out the size that he needs to purchase. His collection includes a 2 inch bug, a 3/4 inch bug, and 3 bugs that are 1/2 inch in length. Jonas has decided to place the bugs in a single, horizontal row. If he allows an additional 4 inches for spacing, how wide will the case need to be?

3. There are 24 students in Mr. Roy's history class. Twenty-one of those eager learners will be going on a field trip. What part of the class will be going?

4. Raymond ran "x" miles on Tuesday. On Wednesday, he ran twice as far; but, on Thursday he only ran 1/ 2 Tuesday's distance. If Raymond ran a total of 9 miles on the three days, how far did he run each day?

5. Mrs. Riley's award winning chocolate chip cookie recipe calls for 1/2 cup butter and 2/3 cup chocolate chips. She only wants to make one-half of the recipe. How many cups each of butter and chocolate chips does Mrs. Riley need? Let "x" = the amount of butter and "y" = amount of chocolate chips.

6. Bananas cost $.50 per pound. Oranges are 6 for $2.48. John bought 2 1/2 pounds of bananas and 3 oranges. What was the amount John spent for the fruit?