Unit Rate Word Problems with Complex Fractions

Name: _____   Date: _____   Period: _____

Find the unit rate for each problem. Show all of your work.

1. If Mark uses 3 ¾ tablespoons of coffee to make 10 cups of coffee, how much would he need to make one cup of coffee?

2. The drama club ordered 15 pizzas for the cast party. If the 25 members ate 12 1/2 pizzas out of the 15. How much pizza did each cast member eat?

3. Brianna's Chocolate Chip Cookie recipe will make about 3 dozen chocolate chip cookies. The recipe calls for 2 ¼ cups of flour and 3/8 cups of baking soda. If Brianna was to adjust the recipe to include 1 cup of baking soda, how many cups of flour would she need to use?

4. A standard bathtub holds 70 gallons of water. On average it takes 7 ½ minutes to drain a bathtub. How many gallons of water go down the drain each minute?

5. Mackenzie ran the Olympic marathon of 26 1/5 miles in a time of 5 4/5 hours. How far did she run in 1 hour?

6. Pedro grew 4 1/3 inches during a 3 ½ month growth spurt. If his growth spurt continued at the same rate how much did he grow in one month?

7. During one winter snow storm in Denver, Colorado, Jesse noted that 16 inches of snow fell in 5 1/3 hours. What was the rate of snowfall in one hour?

8. Tiana's car traveled 111 miles on 3/8 of a tank of gas. How far will she be able to go on a full tank of gas?

9. Joey entered a hot dog eating competition. He at 30 ½ hot dogs in 3 ¾ minutes. How many hot dogs did he eat in one minute?

10. Andre took a trip from Boston, Massachusetts to Paris, France. The plane flew 3,669 4/5 miles in 6 2/3 hours. How far had the plane traveled in 1 hour?