

UNIT RATE WORD PROBLEMS WITH COMPLEX FRACTIONS

Name: _____

Date: _____

DIRECTIONS: Read each of the questions carefully. Write a rate to represent each word problem. Then find the unit rate. Color the corresponding section on the next page. Round to the nearest hundredth, if necessary.

<p>1. If Mark uses $3\frac{3}{4}$ tablespoon of coffee to make 10 cups of coffee, how much would he need to make one cup of coffee?</p>	<p>2. The drama club ordered 15 pizzas for the cast party. If the 25 members ate $12\frac{1}{2}$ pizzas out of the 15. How much pizza did each cast member eat?</p>
<p>3. Brianna's Chocolate Chip Cookie recipe will make about 3 dozen chocolate chip cookies. The recipe calls for $2\frac{1}{4}$ cups of flour and $\frac{3}{8}$ cup 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?</p>	<p>4. A standard bathtub holds 70 gallons of water. On average it takes $7\frac{1}{2}$ minutes to drain a bathtub. How many gallons of water go down the drain each minute?</p>
<p>5. Mackenzie ran the Olympic marathon of $26\frac{1}{5}$ miles in $5\frac{4}{5}$ hours. At this pace, how far did she run in 1 hour?</p>	<p>6. Pedro grew $4\frac{1}{3}$ inches during $3\frac{1}{2}$ month growth spurt. On average, how much did he grow in one month?</p>
<p>7. During one winter snow storm in Denver Colorado, Jesse noted that 16 inches of snow fell in $5\frac{1}{3}$ hours. What was the rate of snowfall in one hour?</p>	<p>8. Tiana's car travelled 111 miles on $\frac{3}{8}$ of a tank of gas. How far will she be able to go on a full tank of gas?</p>
<p>9. Joey entered a hot dog eating competition. He ate $30\frac{1}{2}$ hot dogs in $3\frac{3}{4}$ minutes. How many hot dogs did he eat in one minute?</p>	<p>10. Andre took a trip from Boston, Massachusetts to Paris, France. The plane flew $3,669\frac{4}{5}$ miles in $6\frac{2}{3}$ hours. How far had the plane traveled in 1 hour?</p>

Red: 1.24	Orange: 0.375	Gray: $\frac{1}{2}$	Blue: 8.13	Black: 550.19
Yellow: 3	Brown: 4.52	Green: 6	Purple: 296	Tan: $9\frac{1}{3}$