

NAME _____

GROUP _____

DATE _____

PERIOD: _____

CENTER #1

Complex Fractions and Unit Rates – Problem Solving

1. Caroline drove 350 miles to her grandmother's house. The trip took her $5\frac{1}{4}$ hours. What was her average speed in miles per hour?

2. A small airplane used $5\frac{2}{3}$ gallons of fuel to fly a 2 hour trip. How many gallons were used each hour?

3. Madison wants to make cookies for her little sister's birthday party. She is cutting a roll of cookie dough into pieces that are $\frac{1}{2}$ inch thick. If the roll is 13 inches long, how many cookies can she make?

4. Anita is making a curtain to surround a table. She bought $3\frac{1}{4}$ yards of fabric. Her total cost was \$13. What was the cost per yard?

5. Russell runs $\frac{9}{10}$ mile in 5 minutes. How many miles does he run in one minute?

6. The Franklins have a home loan with an interest rate of $4\frac{1}{4}\%$. Write the percent as a fraction in simplest form.