Name _____ Date _____

Unit Rates With Fractions

Answer each question. Simplify your answer and write it as a proper fraction, mixed number, or whole number.

1. Kira earned $7 mowing her neighbor's lawn for $\frac{1}{2}$ of an hour. What is her hourly rate?

2. The Jenkins family drinks $\frac{3}{4}$ of a gallon of orange juice every 3 days. How much orange juice do they drink per day?

3. Isaac is on the swim team, and he is training for an upcoming race. He swims across a 50-meter pool in $\frac{3}{5}$ of a minute. At this rate, how far can Isaac swim per minute?

4. Chloe and her dog, Bingo, walk $\frac{2}{3}$ of a mile in $\frac{1}{6}$ of an hour. At this rate, how far can they walk per hour?

5. The pine tree in Eliana's front yard grows $\frac{2}{3}$ of a foot every $\frac{3}{4}$ of a year. How much does the tree grow per year?

6. Fiona is heating water for a science experiment. The temperature of the water increases $\frac{4}{5}$ of a degree every $\frac{2}{5}$ of a minute. How much is the temperature of the water increasing per minute?

7. Sandeep is making fruit dip for a party. His recipe calls for $\frac{1}{2}$ of a teaspoon of cinnamon and $\frac{3}{4}$ of a cup of yogurt. Using this ratio, how much cinnamon does Sandeep need if he uses 3 cups of yogurt?

8. Gordon got a mountain bike for his birthday. When he took the bike out for a ride, he biked $\frac{3}{4}$ of a mile in $\frac{1}{10}$ of an hour. At this rate, how far would Gordon bike in 2 hours?