

Lesson 2-2: Determine Unit Rates with Ratios of Fractions

- Sample answer: It's easier to understand a unit rate than a ratio containing fractions. You can use a unit rate to solve problems more easily than if you use a ratio of fractions.
- $\frac{5}{3}$
 $\frac{5}{3}$ or $1\frac{2}{3}$ cups of yellow paint
- Sample answer: When making a table of equivalent ratios, multiply both terms by the same number so that the second term is 1. For example, multiply both terms of $\frac{2}{3}:\frac{1}{7}$ by 7 to get $\frac{14}{3}:1$. When calculating with fractions, divide both terms of the ratio by the ratio by $\frac{1}{7}$, which is the same as multiplying by its reciprocal $\frac{7}{1}$ or 7. The calculations are the same.
- 552 miles per hour
- Chanterelle mushrooms; Sample answer: Cremini mushrooms are \$16.88 per pound, while Chanterelle mushrooms are \$15.98 per pound.
- $7\frac{1}{2}$ cups of flour
- $\frac{24}{4}$ or 6
1
6
- $\frac{9}{5}$ or $1\frac{4}{5}$
1
 $\frac{9}{5}$ or $1\frac{4}{5}$
- $$\frac{1}{3} \quad \frac{1}{3} \quad \frac{1}{3} \quad \frac{3}{1} \quad 21$$

$$\frac{1}{3} \quad \frac{1}{3} \quad \frac{1}{3} \quad \frac{3}{1} \quad 1$$

21 miles per gallon
- $\frac{3}{8}$
- $\frac{8}{3}$ or $2\frac{2}{3}$ miles per hour
- 480 Calories
- a. $\frac{5}{48}$ hour per task
b. $9\frac{3}{5}$ tasks per hour
- a. $23\frac{2}{3}$ miles per gallon
b. 34 miles per gallon
c. the silver car
- a. 4 pounds per quart
b. He multiplied both terms by the denominator. He should have divided.
- Ari, Cindy, Beth
- Fence B is 6 inches long on the blueprint.
- 39
- 13 $\frac{39}{3}$