

## Lesson 2 Homework Practice

### Complex Fractions and Unit Rates

Simplify.

1.  $\frac{\frac{4}{1}}{\frac{1}{5}}$

2.  $\frac{\frac{3}{4}}{\frac{6}{7}}$

3.  $\frac{\frac{2}{5}}{\frac{5}{6}}$

4.  $\frac{\frac{7}{9}}{\frac{7}{7}}$

5.  $\frac{\frac{8}{11}}{\frac{4}{4}}$

6.  $\frac{\frac{4}{15}}{\frac{2}{5}}$

7.  $\frac{\frac{9}{10}}{\frac{6}{6}}$

8.  $\frac{\frac{20}{8}}{\frac{15}{15}}$

9.  $\frac{\frac{6}{7}}{\frac{9}{14}}$

10. **RUNNING** Johnathan can jog  $3\frac{2}{5}$  miles in  $\frac{7}{8}$  hour. Find his average speed in miles per hour.

11. **DRIVING** A truck driver drove 120 miles in  $1\frac{3}{4}$  hours. What is the speed of the truck in miles per hour?

12. **READING** Charlotte reads  $8\frac{1}{3}$  pages of a book in 10 minutes. What is her average reading rate in pages per minute?

Write each percent as a fraction in simplest form.

13.  $45\frac{1}{2}\%$

14.  $30\frac{1}{4}\%$

15.  $75\frac{1}{3}\%$