

Lesson 2 Homework Practice

Complex Fractions and Unit Rates

Simplify.

1. $\frac{\frac{4}{7}}{\frac{1}{5}}$

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

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

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