Lesson 2 Homework Practice

Complex Fractions and Unit Rates

Simplify.

1. \( \frac{4}{5} \)
2. \( \frac{8}{7} \)
3. \( \frac{5}{6} \)
4. \( \frac{8}{9} \)
5. \( \frac{11}{4} \)
6. \( \frac{15}{2} \)
7. \( \frac{10}{6} \)
8. \( \frac{20}{15} \)
9. \( \frac{7}{14} \)

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. \( 75 \frac{1}{3}\% \)