CHAPTER 6

Practice Test

Name: _____

Vocabulary and Concepts

1. **Explain** how to add unlike fractions.
2. **Define** perimeter.

Skills and Applications

Add, subtract, multiply, or divide. Write in simplest form.

6. $\frac{4}{15} + \frac{8}{15}$
7. $\frac{7}{10} - \frac{1}{6}$
8. $\frac{5}{8} \times \frac{2}{5}$
9. $6 \times \frac{8}{21}$
10. $4\frac{5}{12} - 2\frac{1}{12}$
11. $6\frac{7}{9} + 3\frac{5}{12}$
12. $8\frac{2}{7} - 1\frac{5}{14}$
13. $-\frac{5}{6} \div \frac{2}{3}$
14. $\frac{8}{9} \div 5\frac{1}{3}$

15. **COOKING** Taylor wants to make $2\frac{1}{2}$ times the quantity given in a recipe. The recipe calls for $1\frac{3}{4}$ cups of flour. How much flour will Taylor need?

16. **FLAG DAY** A giant cake decorated as an American flag measured 60 feet by 90 feet. What was the perimeter of the cake?

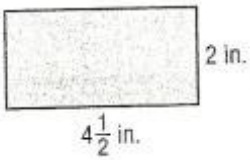
Solve each equation. Check your solution.

17. $\frac{y}{3} = 8$
18. $-6 = \frac{2}{5}m$
19. $\frac{3}{4} = \frac{5}{8}x$

Complete.

20. 42 ft = ___?___ yd
21. 9 qt = ___?___ pt
22. 7,600 lb = ___?___ T

23. Find the perimeter and area of the rectangle.



24. Find the circumference of a circle with a radius of 5 meters. Round to the nearest tenth.

Standardized Test Practice

25. **MULTIPLE CHOICE** In the 1999–2000 school year, the average backpack weighed $7\frac{1}{2}$ pounds. In the 2001–2002 school year, the average backpack weighed $7\frac{1}{5}$ pounds. By how much did the average backpack weight decrease?

Ⓐ $\frac{1}{5}$ lb Ⓑ $\frac{3}{10}$ lb Ⓒ $\frac{1}{2}$ lb Ⓓ $\frac{7}{10}$ lb