

1.4–1.5 Quiz



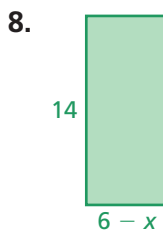
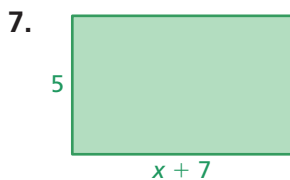
Use the Distributive Property and mental math to find the product. (Section 1.4)

1. 6×49
2. 7×86
3. $35(47)$
4. $8(97)$

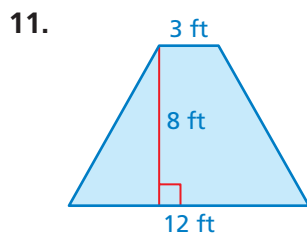
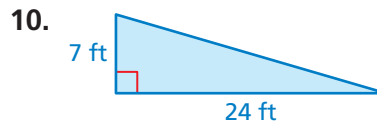
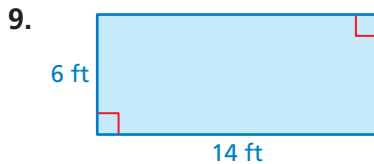
Use the Distributive Property to simplify the expression. (Section 1.4)

5. $5(x - 8)$
6. $7(y + 3)$

Use the Distributive Property to write and simplify an expression for the area of the rectangle. (Section 1.4)



Use a formula to find the area of the figure. (Section 1.5)



13. **MOVIES** You and four of your friends go to a movie. (Section 1.4)

- a. Use the Distributive Property to write an expression for the total cost to buy movie tickets and popcorn. Simplify the expression.

Movie Tickets	Snacks
Student \$8	Candy \$3
Adult \$10	Popcorn \$x

- b. Choose a reasonable value for x . Evaluate the expression.

14. **CALORIES** A formula for the number of calories c in s servings of a breakfast cereal is $c = 160s$. How many calories are there in 5 servings? (Section 1.5)

15. **FISH** An expression for the number of angelfish that you can keep in an aquarium is $g \div 3$, where the aquarium holds g gallons of water. How many angelfish can you keep in a 75-gallon aquarium? (Section 1.5)