



VOCABULARY

area
metric system
perimeter
pound

▶ Vocabulary

Choose the best term from the box.

- The _____ is the measurement of the distance around the outside of a figure. (Lesson 5-6)
- One _____ is equal to 16 ounces. (Lesson 5-5)
- The _____ is the total number of square units that cover a figure. (Lesson 5-6)

▶ Concepts and Skills

- Explain how to find how many cups are in 8 quarts. (Lesson 5-5)

- Explain why the formula for the perimeter of a rectangle and the formula for the perimeter of a square are different. (Lesson 5-6)

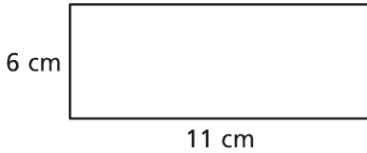
Convert. (Lessons 5-1, 5-2, 5-3, 5-4, 5-5)

- | | | |
|-------------------------|----------------------------|------------------------|
| 6. 40 m = _____ cm | 7. 65 L = _____ cL | 8. 3 kg = _____ g |
| 9. 6 yd = _____ ft | 10. 3 lb = _____ oz | 11. 9 gal = _____ pt |
| 12. 7 hours = _____ min | 13. 8 years = _____ months | 14. 21 min = _____ sec |



Find the area and perimeter of each rectangle. (Lessons 5-6)

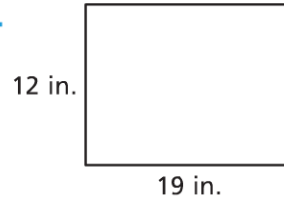
15.



$$P = \underline{\hspace{2cm}}$$

$$A = \underline{\hspace{2cm}}$$

16.



$$P = \underline{\hspace{2cm}}$$

$$A = \underline{\hspace{2cm}}$$

► Problem Solving

Solve.

Show your work.

17. A movie starts at 12:45 P.M. and is exactly 1 hour and 35 minutes long. What time does the movie end?
(Lessons 5-3, 5-7)

18. A rectangular kitchen has an area of 126 square feet. The length is 14 feet. What is the width? (Lesson 5-6, 5-7)

19. Angie buys 6 feet of red ribbon and 8 feet of blue ribbon for a project. How many inches of ribbon did Angie buy in all?
(Lessons 5-2, 5-7)

20. **Extended Response** Jack buys some rocks. Each rock has a mass of 4 kilograms. He buys 19 rocks. How many grams of rock did Jack buy? Explain how you solve this problem.
(Lessons 5-2, 5-7)
