Name_____ **Date**_____

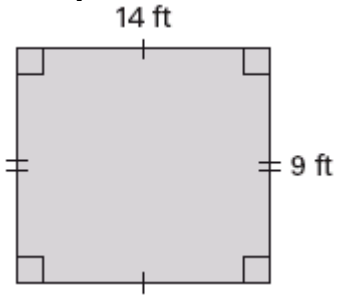
LESSON 1.7

Practice B

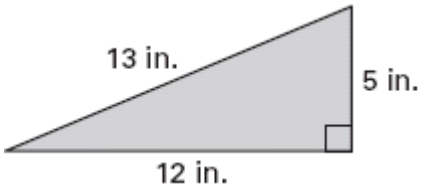
For use with pages 48–56

Find the perimeter and area of the figure.

1.

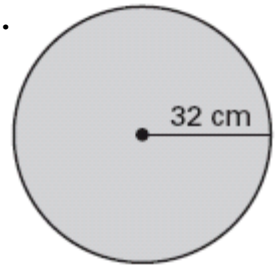


2.

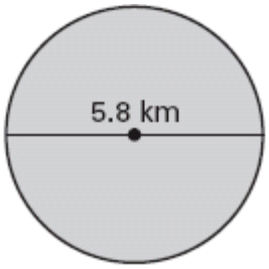


Find the circumference and area of the circle. Round to the nearest tenth.

3.



4.



5. A triangle has a base of 6 miles and a height of 2 miles. Sketch the triangle and find its area.

6. A circle has a radius of 25 inches. Sketch the circle and find its area. Round your answer to the nearest tenth.

7. The area of the triangle is 48 square inches, and its height is 16 inches. Find the base of the triangle.

8. The area of the rectangle is 365.2 square meters, and its length is 22 meters. Find the width of the rectangle.

Copy and complete the statement.

9. 72 cm^2 = __?__ m^2

10. 22 m^2 = __?__ km^2

11. 13 cm^2 = __?__ mm^2

12. 1.5 km^2 = __?__ m^2

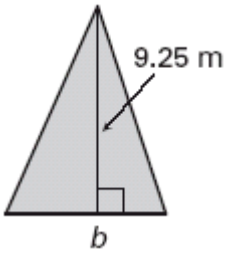
13. 585 ft^2 = __?__ yd^2

14. 100 mm^2 = __?__ cm^2

Use the information about the figure to find the indicated measure.

15. Area = 55.5 m^2

Find the base *b*.



16. Perimeter = 112.5 m

Find the length *l*.

17. The perimeter of a rectangle 28.8 centimeters. The length of the rectangle is twice as long as its width. Find the length and width of the rectangle.

18. The area of a triangle is 338 square yards. The height of the triangle is four times its base. Find the height and base of the triangle.

19. Looms A triangular loom used for knitting covers an area of 12.25 square feet. It has a base that is twice as long as its height.

a. Sketch and label a diagram for the situation.

b. Find the base and the height of the loom.

c. Suppose the base of the loom was increased by 6 inches while the height remained the same. The area that the loom covers increased by how many square inches? square feet?