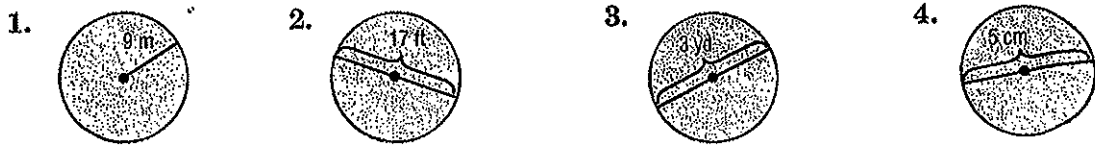


6

11-7 Skills Practice

Circles and Circumference

Find the circumference of each circle. Round to the nearest tenth.



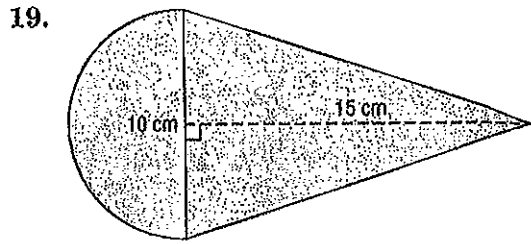
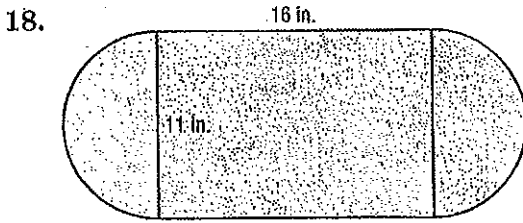
- 5. The radius is 7 kilometers.
- 6. The diameter is 20 centimeters.
- 7. The diameter is 8.5 meters.
- 8. The radius is 11 yards.
- 9. The diameter is $6\frac{2}{5}$ feet.
- 10. The radius is 25 inches.

Match each circle described in the column on the left with its corresponding measurement in the column on the right.

- | | |
|------------------------|------------------------------|
| 11. diameter: 6 units | a. circumference: 18.8 units |
| 12. radius: 9 units | b. circumference: 40.8 units |
| 13. diameter: 13 units | c. circumference: 15.7 units |
| 14. radius: 2.5 units | d. circumference: 56.5 units |

- 15. **SPORTS** A basketball goal is 18 inches in diameter. A basketball has a diameter of about 9.6 inches. What is the difference in circumference between the goal and the center cross-section of a basketball?
- 16. **CULTURE** The Navajo and Pueblo Indians create large, circular sand paintings as part of traditional healing ceremonies. How much more circumference does a sand painting with a 20-foot diameter have compared with one with a 5-foot diameter?
- 17. **SPORT** In bowling, the distance from the foul line to the headpin is 60 feet. A bowling ball has a radius of about 4.3 inches. How many times must the ball rotate in order to strike the headpin?

Find the perimeter of each figure. Round to the nearest tenth.



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