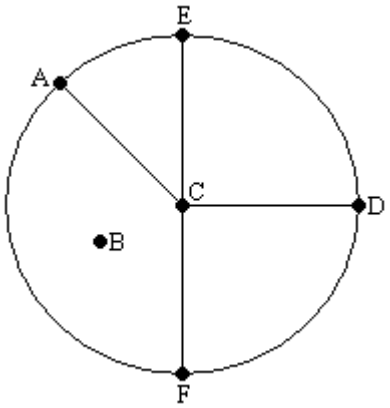
Questions 1 through 5 refer to this circle diagram.



1. Which point is the center of the circle?

   A. Point A
   B. Point B
   C. Point C
   D. Point D

2. Which answer choice shows a diameter of the circle?

   A. Line AB
   B. Line CD
   C. Line ED
   D. Line EF

3. Which answer choice shows a radius of the circle?

   A. Line ED
   B. Line EF
   C. Line AB
   D. Line CD

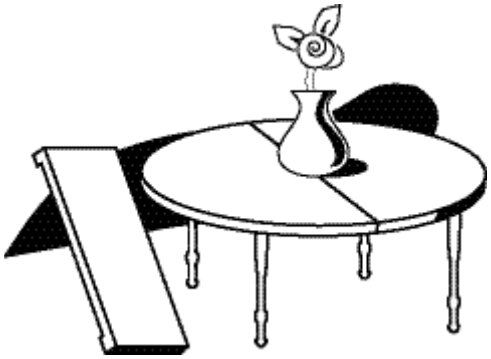
4. The distance all around the edge of a circle is called the:

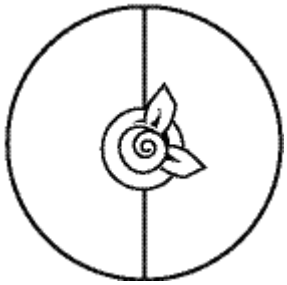
   A. area
   B. diameter
   C. radius
   D. circumference

5. If the radius of the circle shown were 4 units, then what would be the length of Line EF?

   A. 4 units
   B. 2 units
   C. 8 units
   D. 25 units

Questions 6 through 10 refer to the table pictured here. You are given a side view and a top view.





6. The flower arrangement is placed at the _____ of the table.

   A. radius
   B. center
   C. circumference
   D. diameter

7. This table can seat six people comfortably. When six people are sitting around the table, they are seated along the _____ of the table.

   A. center
   B. circumference
   C. diameter
   D. radius

8. To seat more than six people at this table, you could pull it apart and insert a leaf. The line across the round table that shows where the leaf could be inserted forms a(n) _____ .

   A. circumference
   B. radius
   C. diameter
   D. area

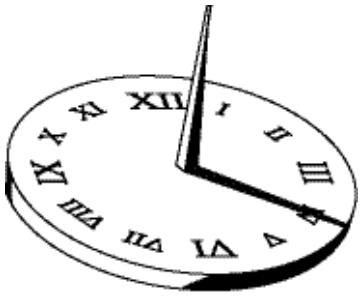
9. If the distance from the edge of the table to the center of the table is exactly two and a half feet, then what is the diameter of the table?

   A. 2.5 feet
   B. 20 feet
   C. 1.25 feet
   D. 5 feet

10. If the line across the round table that shows where the leaf could be inserted is exactly six feet, then what is the radius of the table?

    A. 3 feet
    B. 28 feet
    C. 6 feet
    D. 12 feet

Questions 11 through 15 refer to the sundial pictured here:



11. The spike in the middle of the sundial is called the gnomon. The distance from the gnomon to the outside edge of the sundial is called the _____.

    A. diameter
    B. circumference
    C. radius
    D. area

12. The gnomon of this sundial is placed at the _____ of the sundial.

    A. diameter
    B. center
    C. radius
    D. circumference

13. The distance all the way across the sundial at the widest point is called the _____.

    A. diameter
    B. circumference
    C. radius
    D. area

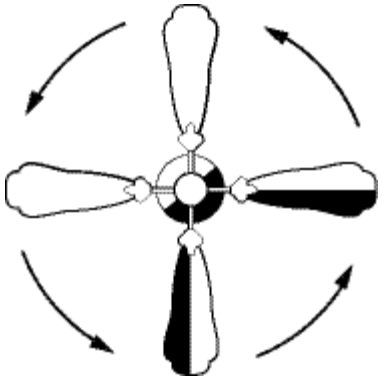
14. The numbers in the picture are lined up along the _____ of the sundial.

    A. center
    B. diameter
    C. radius
    D. circumference

15. If the diameter of the sundial is 16 inches, then what is the distance from the gnomon to the outside edge of the sundial?

    A. 16 inches
    B. 64 inches
    C. 8 inches
    D. 32 inches

Questions 16 through 20 refer to the ceiling fan pictured here. When the blades of this fan are spinning, they form a circle.



16. When the fan is spinning, the tips of the moving fan blades form the _____ of the circle.

    A. circumference
    B. radius
    C. diameter
    D. center

17. The length of a fan blade, from the tip of the blade to the center of the circle, is the _____ of the circle.

    A. diameter
    B. circumference
    C. radius
    D. area

18. The width of the circle, from the tip of one fan blade to the tip of the opposite fan blade, is called the _____.

    A. area
    B. diameter
    C. circumference
    D. radius

19. The fan blades are mounted at the _____ of the circle.

    A. diameter
    B. radius
    C. center
    D. circumference

20. If the length of a fan blade, from tip to center, is 32 inches, then what is the diameter of the circle formed by the spinning blades?

    A. 64 inches
    B. 128 inches
    C. 16 inches
    D. 32 inches

Answer Key

1. C
2. D
3. D
4. D
5. C
6. B
7. B
8. C
9. D
10. A
11. C
12. B
13. A
14. D
15. C
16. A
17. C
18. B
19. C
20. A