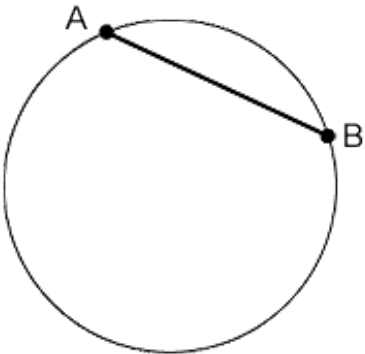


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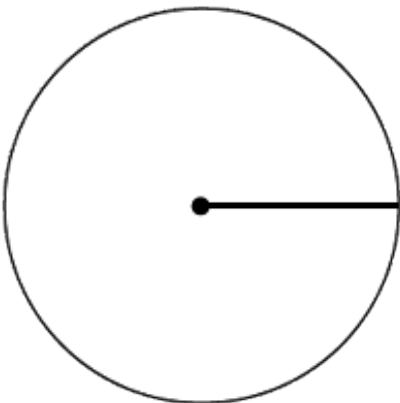
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## Circles

1. Line segment AB is called a/an \_\_\_\_\_

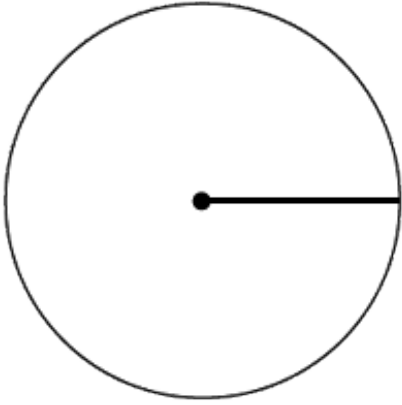


- a. arc
  - b. sector
  - c. chord
  - d. diameter
2. Kay drew a point inside a circle the same distance from any point on the circle. What part of the circle did she draw?
- a. radius
  - b. diameter
  - c. center
  - d. line
3. If the radius of the circle below is 5 inches, what is the diameter?

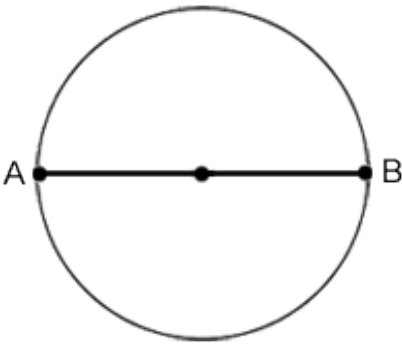


- a. 5 inches
- b. 10 inches
- c. 25 inches
- d. 2 inches

4. What is the approximate circumference of the circle if the radius is 6?



- a. 38
  - b. 16
  - c. 94
  - d. 57
5. Line AB is 14 inches long. What is the approximate area of this circle?



- a. 42 square inches
  - b. 615 square inches
  - c. 160 square inches
  - d. 154 square inches
6. The radius of a circle is 8 centimeters (cm). What is the approximate circumference of the circle? (Use  $\pi = 3.14$ )
- a. 16 cm
  - b. 25 cm
  - c. 50 cm
  - d. 201 cm
7. Find the circumference of a circle with a radius of 10m.
- a. 6.28m
  - b. 62.8m
  - c. 628m
  - d. 6280m

8. Find the diameter of a circle with radius 5.
- a. 10
  - b. 25
  - c. 2.5
  - d. 20
9. A circle has a radius of 7, what is the diameter?
- a. 3.5
  - b. 14
  - c. 10
  - d. 7
10. Jenny baked a cake with a diameter of 14 inches. She put a ring of frosting around the outer edge of the top of the cake.

How many inches of frosting did Jenny put around the top of the cake?

- a. 47
  - b. 44
  - c. 88
  - d. 72
11. A merry-go-round has a diameter of 25 feet. What is the approximate circumference of the merry-go-round?
- a. 78.5 ft
  - b. 157 ft
  - c. 235.5 ft
  - d. 314 ft
12. The circumference of a circle is  $100\pi$ . Find each of the following:
- a) the diameter
  - b) the radius
  - c) the length of an arc of 120 degrees.