

SAT Geometry Practice

Circle Circumference

Name: _____ Date: _____

Directions: Choose the best answer. Show your work. Use $\pi = 3.14$ unless the problem says to leave the answer in terms of π .

1. A circle has a radius of 6 inches. What is its circumference? Leave your answer in terms of π .

- A. 6π in
- B. 12π in
- C. 18π in
- D. 36π in

2. A circle has a diameter of 20 cm. What is its circumference? Leave your answer in terms of π .

- A. 5π cm
- B. 10π cm
- C. 15π cm
- D. 20π cm

3. A circle has a radius of 7 feet. What is its circumference? Use $\pi = 3.14$.

- A. 43.96 ft
- B. 45.86 ft
- C. 49 ft
- D. 153.86 ft

4. The circumference of a circle is 18π . What is its radius?

- A. 3
- B. 9
- C. 10
- D. 18

5. The circumference of a circle is 40π . What is its diameter?

- A. 10
- B. 20
- C. 40
- D. 80

6. A circular track has a diameter of 100 meters. What is its circumference? Use $\pi =$

- 3.14.** A. 314 m
- B. 400 m
- C. 538m
- D. 628 m

7. A circle's radius is tripled. How does its circumference change?

- A. It doubles
- B. It triples

- C. It becomes 6 times as large
- D. It becomes 9 times as large

8. A circle has a circumference of 24π inches. What is its diameter?

- A. 6 in
- B. 12 in
- C. 24 in
- D. 48 in

9. A bicycle wheel has a radius of 14 inches. Approximately how far does it travel in one full rotation? Use $\pi = 3.14$.

- A. 43.96 in
- B. 50.92 in
- C. 68.84 in
- D. 87.92 in

10. The circumference of a circular pond is 62.8 meters. What is its radius? Use $\pi = 3.14$.

- A. 5 m
- B. 10 m
- C. 20 m
- D. 31.4 m

Answer Key

Question	Answer
1	B
2	D
3	A
4	B
5	C
6	A
7	B
8	C
9	D
10	B