

NAME: _____

- Find the circumference of a circle whose radius is 4 feet. (Use $\pi \approx 3.14$)
[A] 25.12 ft [B] 1.570 ft
[C] 12.56 ft [D] 0.785 ft
- Find the circumference of a circle whose radius is 7 centimeters. (Use $\pi \approx 3.14$)
[A] 43.96 cm [B] 0.897 cm
[C] 21.98 cm [D] 0.449 cm
- If a circle has a radius of 6 inches, what is the circumference rounded to the nearest whole number? (Use $\pi = 3.14$.)
[A] 19 in. [B] 38 in.
[C] 113 in. [D] 76 in.
- The diameter of a circle is 20 centimeters. Find the circumference of the circle.
- The radius of a circle is 8 feet. Find the circumference of the circle.
- The circumference of a circle is 10π feet. What is the diameter of the circle?
- Three tennis balls are packaged in a pressurized can, one on top of the other. Is the height of the can or its circumference greater? Justify your answer.
- A bicycle mechanic wants to put a strip of plastic between the tube and tire of a 26-in. diameter bicycle tire. To the nearest inch, how long should the strip of plastic be?
- A weather satellite in circular orbit around Earth completes one orbit every 4 hours. The radius of Earth is about 6400 km and the satellite is positioned 3200 km above the Earth. How far does the satellite travel in 1 hour? Round your answer to the nearest kilometer.
- The diameter of a basketball rim is 18 inches. A standard basketball has a circumference 30 inches. About how much room is there between the ball and the rim in a shot in which the ball goes in exactly in the center of the rim?
[A] 4.2 in. [B] 9.55 in. [C] 4.78 in.
[D] 8.45 in. [E] none of the above

[1] A

[2] A

[3] B

[4] 62.8 centimeters

[5] 50.24 feet

[6] 10 feet

The circumference; the height is $3d$, where d is the diameter of the tennis ball, but the

[7] circumference is approximately $3.14d$.

[8] 82 in.

[9] 15,080 km

[10] A