

Topic No. 10



#1

Question 1

What is the volume of a cylinder if the radius is 3 inches and the height is 6 inches?

- (a) 54π cubic inches
- (b) 36π cubic inches
- (c) 18π cubic inches
- (d) 9π cubic inches

Question 2

What is the volume of a sphere if the radius is 3 inches?

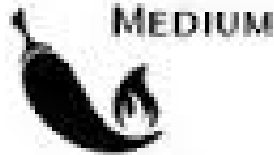
- (a) 54π cubic inches
- (b) 36π cubic inches
- (c) 18π cubic inches
- (d) 9π cubic inches

Question 3

What is the volume of a cone if the radius is 3 inches and the height is 6 inches?

- (a) 54π cubic inches
- (b) 36π cubic inches
- (c) 18π cubic inches
- (d) 9π cubic inches

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Question 4

What is the volume of a cylinder if the radius is 6 inches and the height is 0.5 inches?

- (a) 54π cubic inches
- (b) 36π cubic inches
- (c) 18π cubic inches
- (d) 9π cubic inches

Question 5

What is the volume of a sphere if the radius is 6 inches?

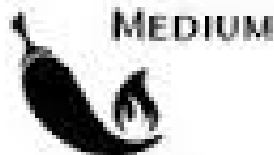
- (a) 864π cubic inches
- (b) 288π cubic inches
- (c) 216π cubic inches
- (d) 48π cubic inches

Question 6

What is the volume of a cone if the radius is 6 inches and the height is 3 inches?

- (a) 54π cubic inches
- (b) 36π cubic inches
- (c) 18π cubic inches
- (d) 9π cubic inches

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Question 7

If the volume of a cone is 24π inches cubed, and the radius is 4 inches, what is the height?

- (a) 150 *inches*
- (b) 45 *inches*
- (c) 4.5 *inches*
- (d) 0.15 *inches*

Question 8

If the volume of a cylinder is 32π inches cubed, and the radius is 8 inches, what is the height?

- (a) 50 *inches*
- (b) 5 *inches*
- (c) 0.5 *inches*
- (d) 0.05 *inches*

Question 9

If the volume of a sphere is $\frac{4}{3}\pi$ inches cubed, what is the radius?

- (a) 10 *inches*
- (b) 5 *inches*
- (c) 1 *inch*
- (d) 0.5 *inches*

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Question 10

If the volume of a cone is 90π inches cubed, and the radius is 3 inches, what is the height?

- (a) 30 inches
- (b) 10 inches
- (c) 3 inches
- (d) 1 inch

Question 11

If the volume of a cylinder is 36π inches cubed, and the radius is 3 inches, what is the height?

- (a) 4 inches
- (b) 2 inches
- (c) 1 inch
- (d) 0.5 inches

Question 12

If the volume of a sphere is $\frac{32}{3}\pi$ inches cubed, what is the radius?

- (a) 20 inches
- (b) 5 inches
- (c) 2 inches
- (d) 0.5 inches