Volume of a Cone Worksheets

1) Formula for the volume of a cone is $1/3 \, \pi r^2 h$.
a.   True
b.   False

2) The SI unit for the volume of a cone is_____?
a.   Units.
b.   Sq. units.
c.   Cubic units.
d.   Unit. units.

3) The volume of a cone is 209.44 sq. Inches with a height of 8 inches, then its radius is _____.

4) Determine the approximate radius of a cone with a Volume of 256.56 sq. units and a height of 5 units?
a.   2 unit
b.   7 unit
c.   8 unit
d.   2 unit

5) Determine the volume of a conical cap of a juggler with a height of 12 in and a diameter of 14 in.

6) Which of the given cones will hold the smallest volume?
a.   Cone with a radius of 5 units and height of 7 units.
b.   Cone with a radius of 6 units and height of 7 units.
c.   Cone with a radius of 5 units and height of 6 units.
d.   Cone with a radius of 4 units and height of 6 units.

7) A paper cup shaped like a cone has a volume of 263.89 cubic inches and a height of 8 inches. What is the measure of its half diameter?
a.   5 in
b.   9 in
c.   6 in
d.   1.25 in

8) The height of the cone is 3 times its radius if the radius of a cone is 7 units. Find its volume.(use $\pi = 22/7$)

9) The circumference of a circular base of a conical flask is 14π units and its height is 10 units. Determine the volume of a conical flask?

10) A conical Christmas tree has a base radius of 0.8 m and a height of 2.4 m. Find the volume of the tree.

cuemath
THE MATH EXPERT

When you learn math in an interesting way, you never forget.

25 Million
Math classes & counting

100K+
Students learning Math the right way

20+ Countries
Present across USA, UK, Singapore, India, UAE & more.

Why choose Cuemath?

"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"

- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

Get the Cuemath advantage

Book a FREE trial class

1. True	2. c. Cubic units.	3. 5 inches	4. b.7 unit	5. 615.75 in. cubed
6. d.Cone with a radius of 4 units and a height of 6 units.	7. c. 6 in	8. 1078 unit cubed	9. 513.13 unit cubed	10. 1.61 sq m

FUN FACT

1) Volume is a three-dimensional quantity that helps to measure space and has a unit of cubic units.

2) Do you know that the volume of a human brain is approx. 600 cm^3?

3) The volume of a cone is exactly one-third (1/3) of a cylinder's volume with the same base and same height.