

Get better at Math.
Get better at
everything.



Come experience the Cuemath methodology and ensure your child stays ahead at math this summer.



**Adaptive
Platform**



**Interactive Visual
Simulations**



**Personalized
Attention**

For Grades 1 - 10



LIVE online classes
by trained and
certified experts.

Get the Cuemath advantage

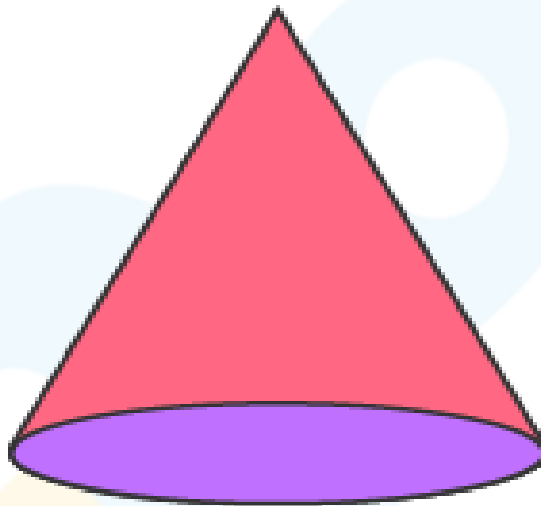
Book a FREE trial class

Volume of a Cone Worksheets

1) What is a formula for the volume of a cone?

- a. $\frac{1}{3} \pi r^2 h$
- b. $\pi r l$
- c. $\pi r(l + r)$
- d. None of these.

2) Volume of a cone is 256 cubic meter, and its height is 10 m. Find the radius of a cone.



3) Determine the volume of a cone with a diameter of 4m and a height of 6m?

- a. $8\pi \text{ m}^3$
- b. $32\pi \text{ m}^3$
- c. $24\pi \text{ m}^3$
- d. $4\pi \text{ m}^3$

4) The volume of a cone with a height of 8 feet and a radius of 3 feet is _____.

5) Match the following formula related to the cone.

- | | |
|-------------------------------------|-----------------------------|
| a. Curved Surface area of a cone | $p - \frac{1}{3} \pi r^2 h$ |
| b. Volume of a cone | $q - \pi r(l + r)$ |
| c. Total Surface Area (TSA) of Cone | $r - \pi r l$ |

6) If a radius of a cone is 4 units and its height is 7 units. What is the approximate volume of a cone?

7) Find the volume of the right cone with a height of 10 m and a diameter of 20 m.

8) If the height of two cones are 12 units and 15 units respectively, if the radius of both the cones is equal to 'r'. Find the difference between their volumes.

9) A cone with a height of 9 inches and a diameter of 7 inches. What is the new volume of the cone when the radius is doubled?

10) The volume of a waffle ice cream cone and a chocolate ice cream cone is the same. The height of the waffle cone is 10 unit and its radius is 5 units. What is the radius of the chocolate cone, if its height is 14 units?



**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."

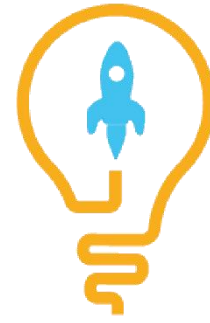
- Kirk Riley

"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

ANSWERS

1. A. $\frac{1}{3} \pi r^2 h$	2. 4.94 m	3. 8π m^3	4. 74.4 cubics in.	5. a-r b-p c-q
6. 117.3 cubic units.	7. 1047.19 cubic m.	8. πr^2	9. 461.81 inches cubed	10. 4.43 units

FUN FACT

1. 1 million grains of sugar have a volume of just 50cm^3 .
2. Archimedes was among the first few scientists to come up with the formula for the volume of common shapes.
3. With the same base and same height of cone and cylinder. The volume of a cone is exactly one-third ($\frac{1}{3}$) of a cylinder's volume.

