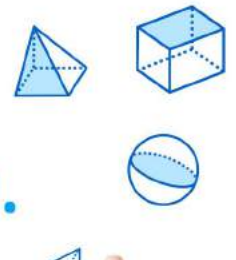
cuemath
THE MATH EXPERT

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

cuemath
THE MATH EXPERT

Volume of a cylinder Worksheet

Questions

1. Find the volume of a cylinder having a radius of 7 units and a height of 10 units.

2. What is the radius of a cylinder having a height of 5 units, and a volume of 45π cubic units?

3. The area of the base of a cylinder is 10π square units. Find the volume of this cylinder having a height of 12 units.

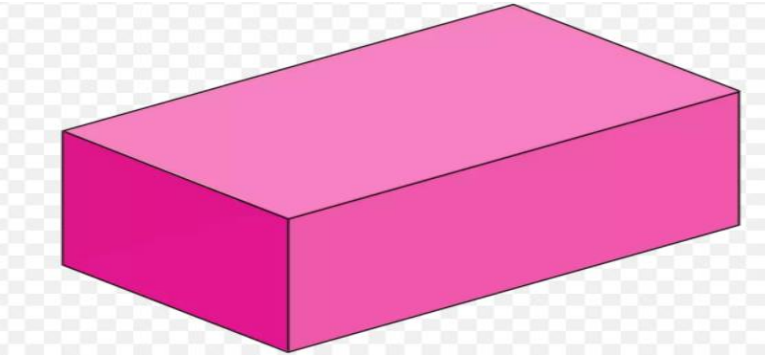
4. What is the height of a cylinder having a volume of 175π square units and a radius of 5 units?

5. What is the area of the base of a cylinder having a volume of 1000π cubic units, and a height of 40 units?

6. Find the volume of the largest cylinder which can be carved out of a cube of volume 512 cubic meters.

7. What is the empty space left after carving out a cylinder of maximum volume, from a cube of volume 1000 cubic meter?

8. What is the volume of a cylinder of radius 2.5 units, which can be carved out of a cuboid having the dimensions 5 units x 5 units x 10 units?



9. How many cylinders of diameter 1 unit, and height 2 units can be cut out of a cuboid block of dimensions 5 units x 7 units x 10 units?

10. How many liters of water is needed to fill a circular swimming pool of diameter 21 feet and a depth of 8 feet?

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

cuemath
THE MATH EXPERT

ANSWERS

(1)	1540 cubic units
(2)	3 units
(3)	120 π cubic units
(4)	7 units
(5)	25 π square units
(6)	128π cubic units
(7)	(1000 – 250π) cubic units
(8)	62.5 πcubic units
(9)	175 cylinders
(10)	2772000 liters