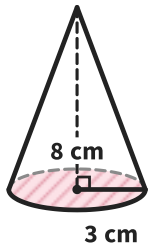
Volume of Cones, Pyramids and Spheres

1

Find the volume of the cone.
Give your answer to 1 decimal place.

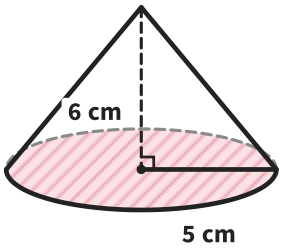


$V = \frac{1}{3} \times \pi \times \square^2 \times \square$

Volume _____

2

Find the volume of the cone.
Give your answer to 1 decimal place.

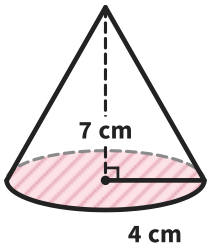


$V = \frac{1}{3} \times \pi \times 5^2 \times \square$

Volume _____

3

Find the volume of the cone.
Give your answer to 1 decimal place.

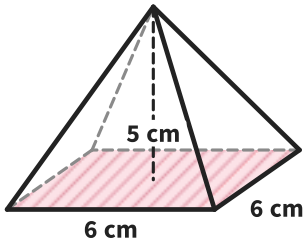


$V = \frac{1}{3} \times \pi \times \square^2 \times \square$

Volume _____

4

Find the volume of the
square-based pyramid.



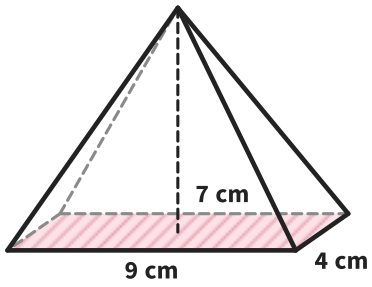
base area = $\square \times \square = \square$

$V = \frac{1}{3} \times \square \times \square$

Volume _____

5

Find the volume of the pyramid.
Its base is a rectangle.



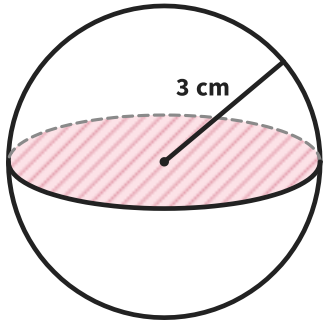
_____

_____

Volume _____

6

Find the volume of the sphere.
Give your answer to 1 decimal place.



_____

Volume _____

7

A sphere has a radius of 7 cm.
Find its volume. Give your answer to
1 decimal place.

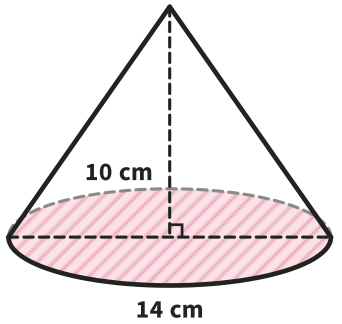
_____

_____

Volume _____

8

Find the volume of the cone.
Give your answer to 1 decimal place.



_____

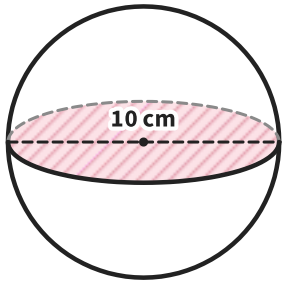
_____

Volume _____

Volume of Cones, Pyramids and Spheres *further practice*

9

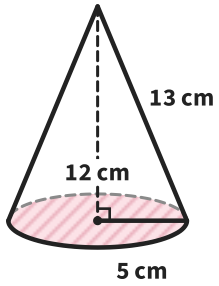
Find the volume of the sphere.
Give your answer to 1 decimal place.



Volume _____

10

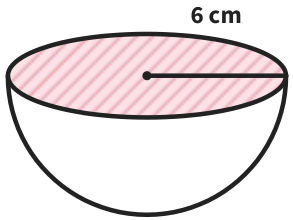
Find the volume of the cone.
Give your answer to 1 decimal place.



Volume _____

11

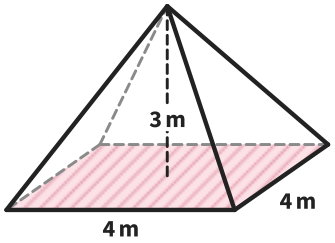
A bowl is a hemisphere, half a sphere, with a radius of 6 cm. Find the volume of the bowl. Give your answer to 1 decimal place.



Volume _____

12

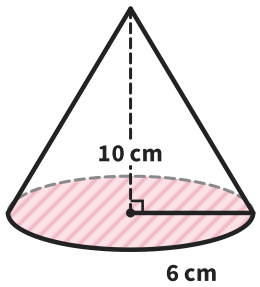
The roof of a tower is a square-based pyramid. The base is 4 m by 4 m and the roof is 3 m high.
Find the volume of the roof.



Volume _____

13

Find the volume of the cone.
Give your answer in terms of π.



Volume _____

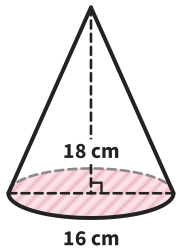
14

A ball is a sphere with a radius of 3 cm.
A cone has a radius of 4 cm and a height of 7 cm. Which holds more, and by how much? Give your answer to 1 decimal place.

Answer _____

15

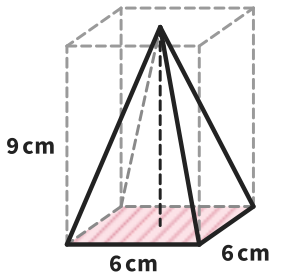
A party hat is a cone with a diameter of 16 cm and a height of 18 cm.
Find the volume inside it.
Give your answer to 1 decimal place.



Volume _____

16

The pyramid fits exactly in the cuboid.
Priya says the pyramid has half the volume of the cuboid. Is Priya right? Explain.



Answer _____