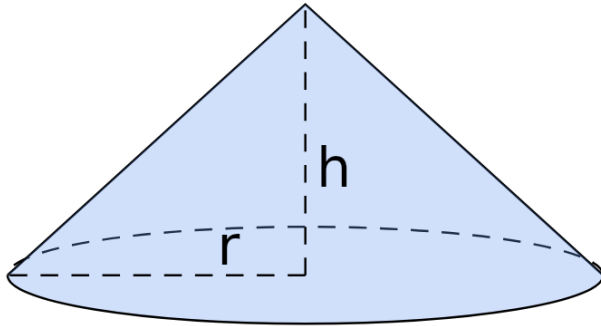




Calculate the volume of pyramids and cones

1

What is the formula for the volume of this Cone?



A

$$V = \frac{4}{3}\pi r^3$$

B

$$V = \frac{1}{3}h\pi r^2$$

2

What shape would this formula calculate the volume for?

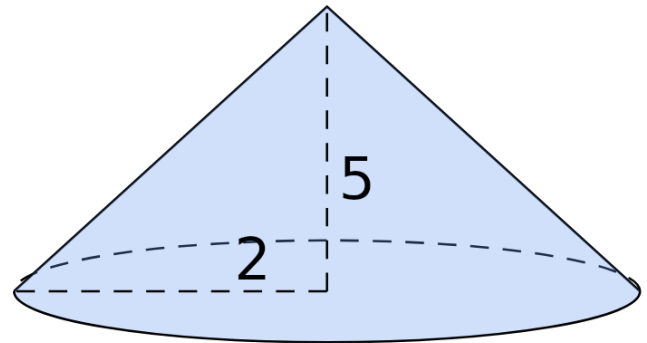
$$V = \frac{4}{3}\pi r^3$$

Sphere

Cone

3

What is the volume of this Cone?



A

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

B

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

4

A Rectangular Pyramid with a base of 2 by 3 and a height of 4

A

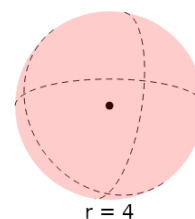
$$V = 2 \cdot 3 + 2\sqrt{\left(\frac{3}{2}\right)^2 + 4^2} + 3\sqrt{\left(\frac{2}{2}\right)^2 + 4^2}$$

B

$$V = \frac{2 \cdot 3 \cdot 4}{3}$$

5

What is the volume of this Sphere?



A 268.08

B 266.73



Calculate the volume of pyramids and cones

6

A Cone with radius 2 and a height of 3

A

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

B

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

7

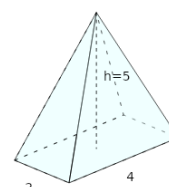
A Cone with radius 3 and a height of 5

A 47.12

B 49.82

8

What is the volume of this Rectangular Pyramid?



A 13.33

B 16.33

9

A Cone with radius 5 and a height of 4

A 108.77

B 104.72

10

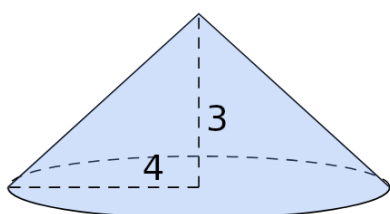
A Rectangular Pyramid with a base of 4 by 3 and a height of 2

A 11

B 8

11

What is the volume of this Cone?

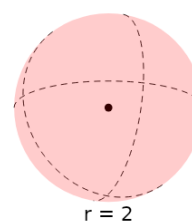


A 50.27

B 54.32

12

What is the volume of this Sphere?



A 32.16

B 33.51