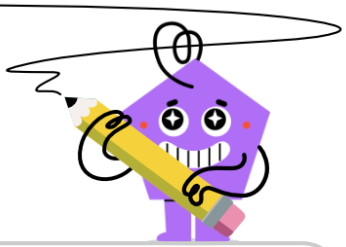
Name

Volume - All - Words to Formula



1 What is the formula for the volume of this shape?

A Cone with radius 2 and a height of 4

A

$V = \pi \cdot 2(2 + \sqrt{4^2 + 2^2})$

B

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

2 What is the formula for the volume of this shape?

A Cone with radius 3 and a height of 2

A

$$V = \frac{3 \cdot 5 \cdot 2}{3}$$

B

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

3 What is the formula for the volume of this shape?

A Cylinder with radius 4 and height 3

A

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

B

$$V = \pi \cdot 4^2 \cdot 3$$

4 What is the formula for the volume of this shape?

A Cone with radius 2 and a height of 5

A

$V = \pi \cdot 2(2 + \sqrt{5^2 + 2^2})$

B

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

5

A Rectangular Pyramid with a base of 4 by 2 and a height of 5

What is the formula for the volume of this shape?

A

$$V = \frac{5 \cdot \pi \cdot 4^2}{3}$$

B

$$V = \frac{4 \cdot 2 \cdot 5}{3}$$

6 What is the formula for the volume of this shape?

A Sphere with radius 3

A

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

B

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

7 What is the formula for the volume of this shape?

A Sphere with radius 4

A

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

B

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

8

A Rectangular Pyramid with a base of 3 by 5 and a height of 4

What is the formula for the volume of this shape?

A

$$V = 3 \cdot 5 + 3\sqrt{(\frac{5}{2})^2 + 4^2} + 5\sqrt{(\frac{3}{2})^2 + 4^2}$$

B

$$V = \frac{3 \cdot 5 \cdot 4}{3}$$