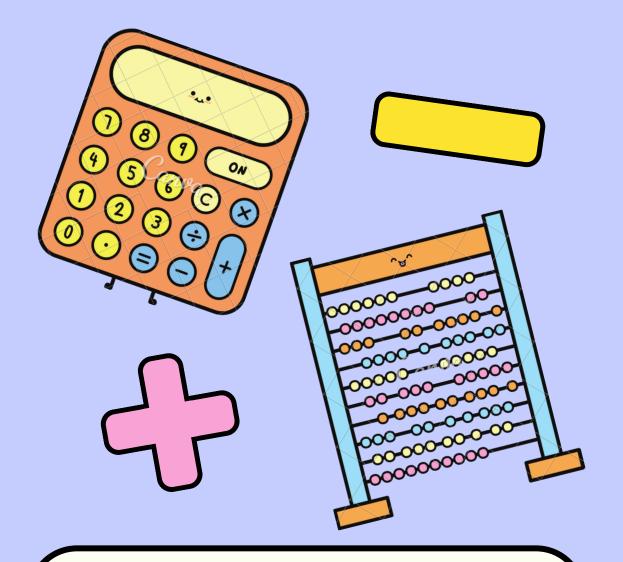


### Today's Lesson

- Sphere
- Cube
- CylinderCone





Tip: Use links to go to a different page inside your presentation. Links work best for pages like this one!



How: Highlight text, click on the link symbol on the toolbar, and select the page in your presentation that you want to connect.













 To calculate the volume of basic rectangular prisms, count the cubic units.



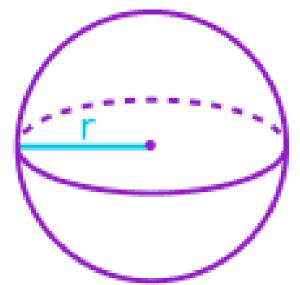
 It will help us determine the amount required to fill the object.





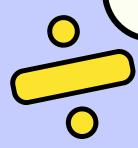
## Sphere

The most fundamental and typically encountered threedimensional form is the sphere. The volume of a sphere is computed using its radius.



Volume of Sphere

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

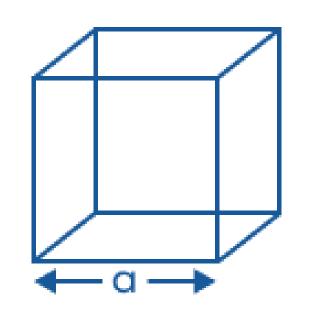




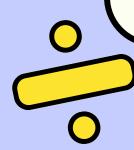


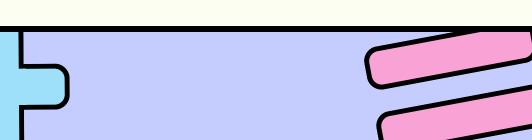


The cube is the next most basic and popular three-dimensional form. It is distinguished by its characteristic that each side of the cube is of equal length.



Volume of cube  $a \times a \times a = a^3$ 

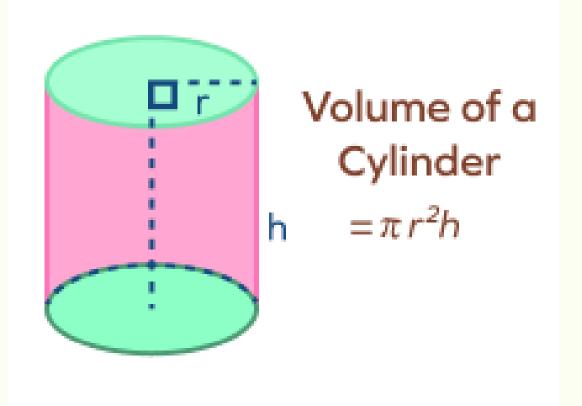






# Cylinder

A cylinder is a three-dimensional form having round bases and a height between them.

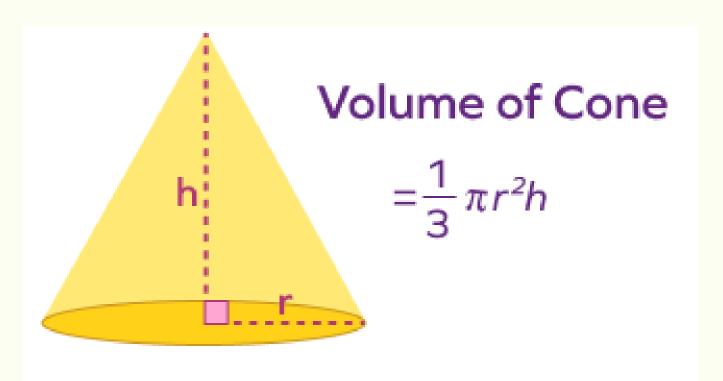


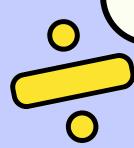




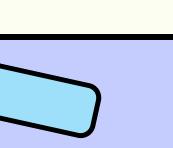
#### Cone

A cone is a unique three-dimensional geometric shape with a flat surface and a curving surface directed upwards.











# Let's Try

Joni carries a cylindrical water bottle with a base radius of 5 cm and a height of 10 cm. What is the bottle's water capacity?

## Let's Try

Joni carries a cylindrical water bottle with a base radius of 5 cm and a height of 10 cm. What is the bottle's water capacity?

Volume of the bottle=  $\pi r^2h$ 

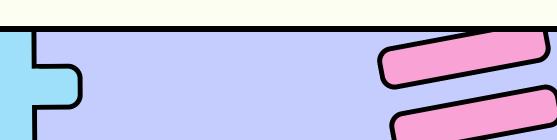
$$= \pi (5 \times 5) \times 10$$

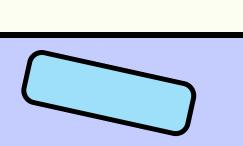
$$= \pi \times 250$$

$$= 3.14 \times 250$$

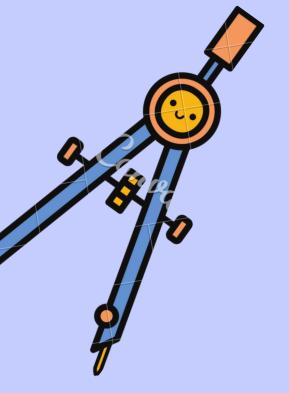
$$= 785 \text{ cm}^3$$

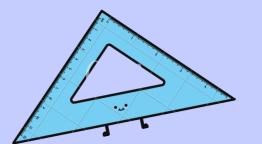


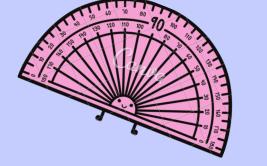


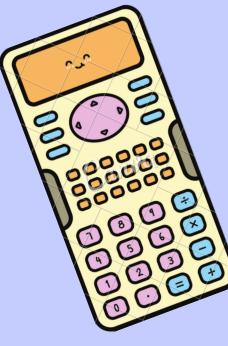












You did great.

# See you next time!

