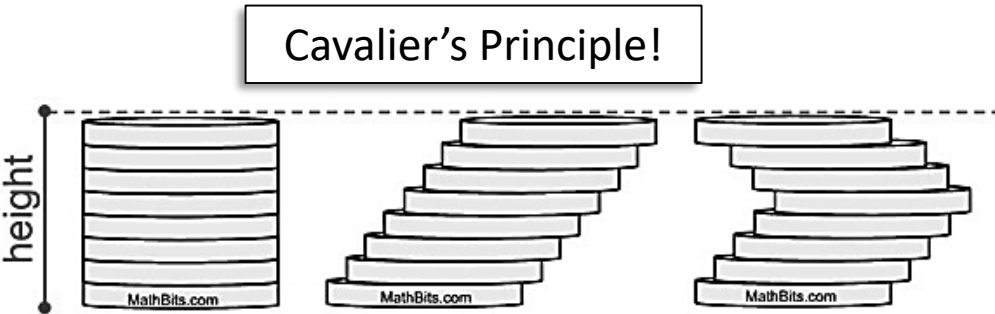


**Main Ideas/  
Questions**

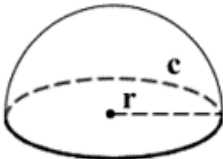
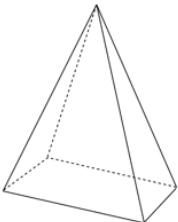
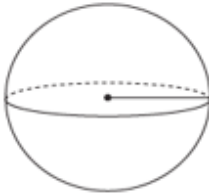
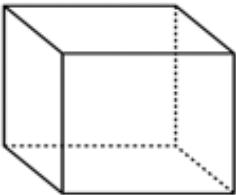
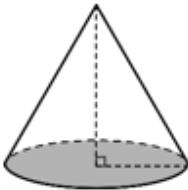
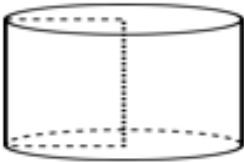
Volume  
Characteristics  
Formulas

**Notes**

- Volume** – Calculates the \_\_\_\_\_ of an object (how much stuff can it hold)



- Prism** – A solid object with two identical ends and flat sides  
 $V = Bh$
- Pyramid** – Has 1/3 of the volume a prism  
 $V = \frac{1}{3}Bh$
- Sphere** – Calculates the volume of a 3D circle



Examples

**Main Ideas/  
Questions**

Examples

**Notes**

1. What is the volume of a square based pyramid with a base side length of 16 meters and a height of 15 meters?
2. Thelma and David built a recycling bin that is 6 feet wide, 12 feet long, and 14 feet high. How much trash can fit inside of the bin?
3. A fire extinguisher has a radius of 4 inches and is 12 inches high. How much cubic inches of fluid can it hold?
4. A soup can has a diameter of 8 cm and height of 10.5 cm. How much soup can it hold?
5. If a sphere has a radius of 3 cm and a new sphere's radius is tripled. What would the new volume be of the new sphere?
6. If a ice cream cone has a diameter of 1 inch and is 3 inches long. How much ice cream can it hold?

**Summary**

Summarize the lesson in your own words.