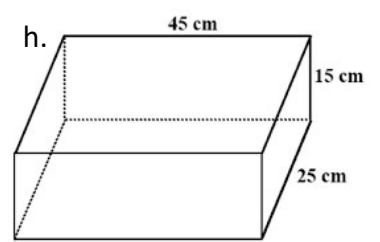
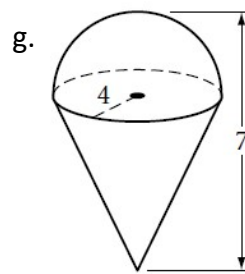
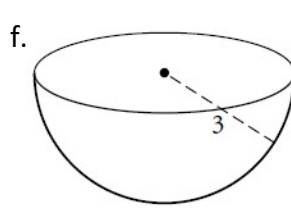
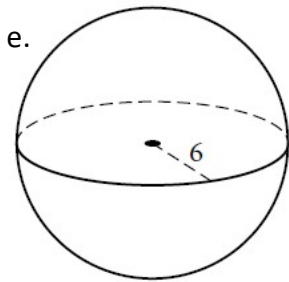
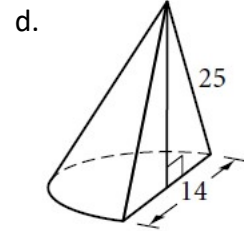
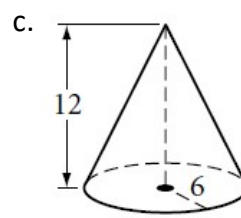
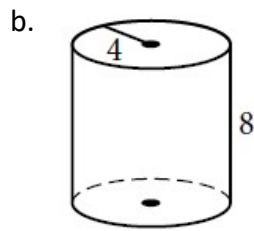
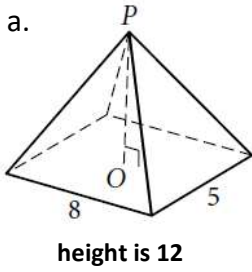
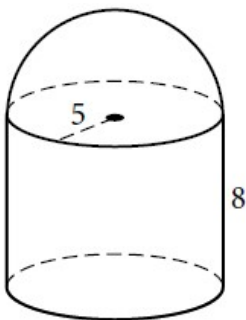


1. Find the volume of the figures below. **Leave answers in terms of pi.** If units are included they should be in your answer.

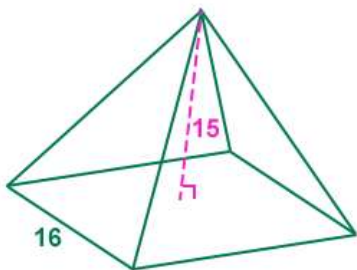


2. A Silo hold water. Find how much water can fit inside the Silo. Round to the nearest hundredth.



- If the volume of a sphere is 635 cm^3 , what is the length of the radius? Round to the nearest tenths.
- A sphere has volume $221.83\pi \text{ cm}^3$. What is its diameter? Round to the nearest tenths.
- A cone has volume 320 cm^3 and height 16 cm. Find the radius of the base. Round your answer to the nearest tenths.
- In Dingwall the town engineers have contracted for a new water storage tank. The tank is cylindrical with a base 25 ft in diameter and a height of 30 ft. What is the volume of the storage tank? Round to the nearest tenths.

- The right **square** pyramid has a base edge of 16 in and a height of 15 in. What is the volume of the pyramid?

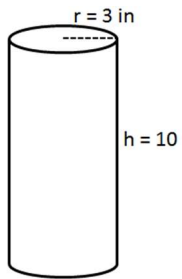


- If a right rectangular pyramid has a volume of 120 ft^3 and a length of 9 with a width of 5, what is the height of the pyramid?

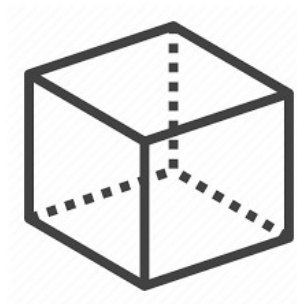
9. If this shoe box can hold 672 in.^3 of goodies for an unsuspecting kiddo. With a length of 14 in. and a height of 8 in., what is the width of this box?



10. What is the volume of the cylinder?



11. What is the volume of the cube with 6 cm sides?



12. What is the volume for the whole figure?

