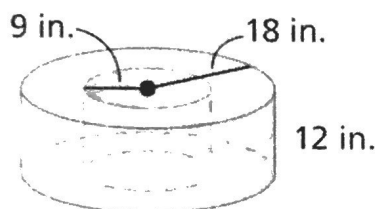


- 3) Find the volume of the composite figure to the nearest tenth:



$$2916 \pi \text{ in}^3$$

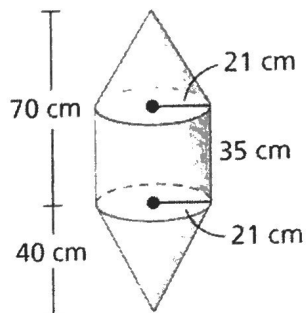
or

$$9160.88 \text{ in}^3$$

- 7) A cone has radius 2 in. and height 7 in. If the radius and height are multiplied by  $\frac{1}{4}$ , describe the effect on the volume.

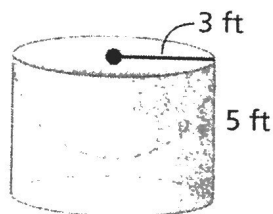
Vol. is multiplied  
by  $\frac{1}{64}$ .

- 5) What is the volume of the figure below?



$$83126.53 \text{ cm}^3$$

- 9) What is the volume of the figure below?

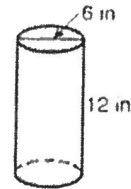


$$84.82 \text{ ft}^3$$

- 10) A snowman is made from three spheres. One sphere has a radius of 8 inches, one has a radius of 1.2 foot, and one has a radius of 18 inches. What is the volume of the snowman in inches?

$$38067.72 \text{ in}^3$$

- 12) A cylindrical juice container has the dimensions shown. About how many cups of juice does this container hold? (Hint: 1 cup  $\approx$  14.44  $\text{in}^3$ )



$$23.50 \text{ cups}$$

- 16) The Step Pyramid of Djoser in Lower Egypt was the first pyramid in the history of architecture. Its original height was 204 feet, and it had a rectangular base measuring 411 feet by 358 feet. Which is the best estimate for the volume of the pyramid in cubic yards?

$$10,005,384 \text{ yds}^3$$