

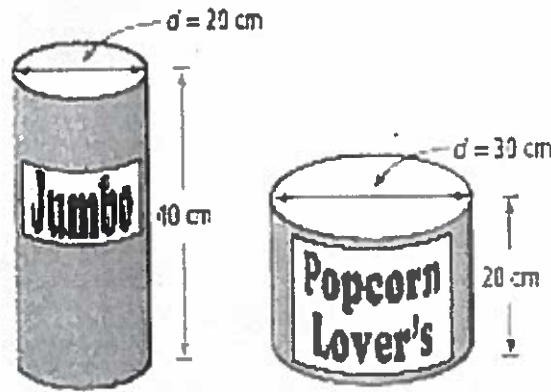
1.)

$$V = Bh$$

$$V = \pi r^2 h$$

$$V = \pi ()^2 ()$$

Martha has a choice of two different popcorn containers at a movie. Both containers are the same price. Which container should Martha buy if she wants more popcorn for her money? Explain.



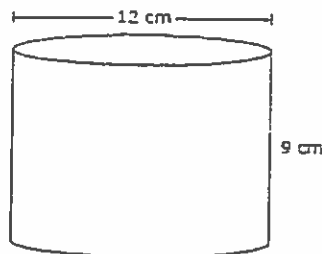
$$V = Bh$$

$$V = \pi r^2 h$$

$$V = \pi ()^2 ()$$

2.)

Sadie used a container shaped like a cylinder to catch rainwater. The dimensions of the container are shown below.



Which measurement is closest to the volume of the container in cubic centimeters?

- A. 1,527 cm³
- B. 4,072 cm³
- C. 1,018 cm³
- D. 3,054 cm³

$$V = Bh$$

$$V =$$

3.)

A container that holds sugar is shaped like a cylinder. The radius of the container is 3 inches, and the height of the container is 10.5 inches.

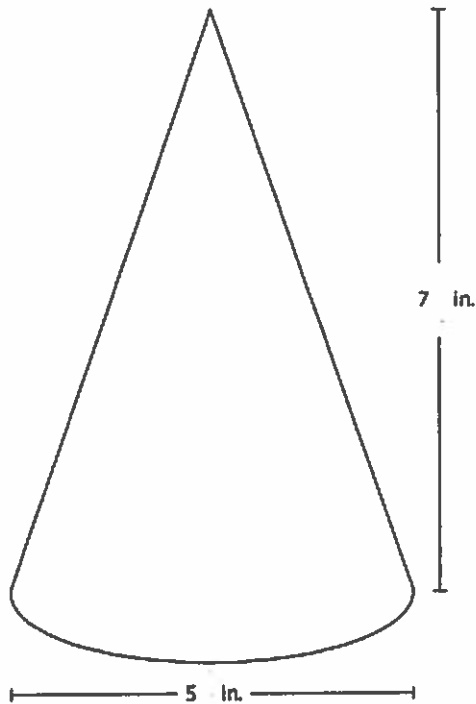
Which measurement is closest to the volume of the container in cubic inches?

- A 254.47 in.³
- B 296.88 in.³
- C 395.84 in.³
- D 197.92 in.³

$$\begin{aligned} & \underline{V = Bh} \\ & \quad \downarrow \quad \downarrow \\ & \underline{V =} \\ & \underline{\hspace{10em}} \\ & \underline{\hspace{10em}} \\ & \underline{\hspace{10em}} \end{aligned}$$

4.)

A cone and its dimensions are shown in the diagram.



volume of the cone in cubic inches?

$$V = \frac{Bh}{3}$$

$$V = \frac{\pi r^2 h}{3}$$

$$V = \frac{\pi (\)^2 (\)}{3}$$
