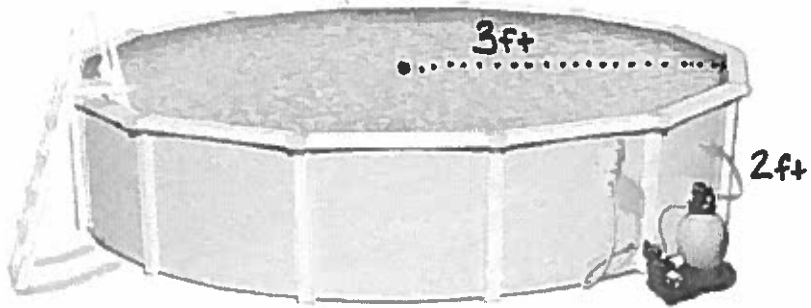


1.)

How much water is needed to fill this pool?



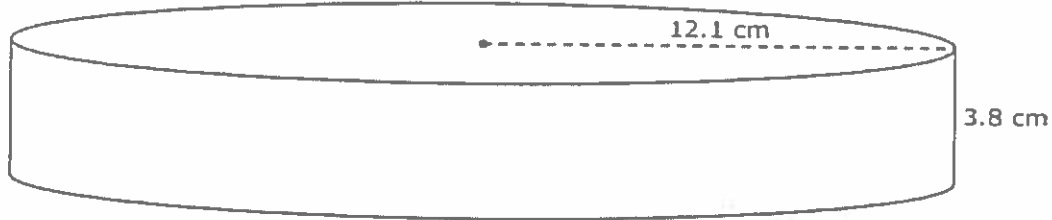
2.)

A storage container for oil is in the shape of a cylinder with a diameter of 10 ft and a height of 17 ft. Which measurement is closest to the volume of the storage container in cubic feet?

- F 534 ft^3
- G $1,335 \text{ ft}^3$
- H 691 ft^3
- J $1,696 \text{ ft}^3$

3.)

A cylinder and its dimensions are shown below.

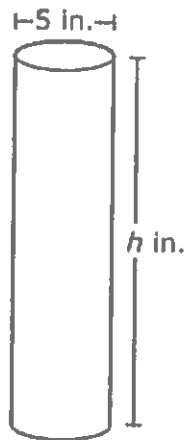


One equation for calculating the volume of a cylinder is $V = Bh$, where B represents the area of the base of the cylinder. Which expression can be used to find the value of B , in square centimeters, for this cylinder?

- A $\pi(12.1)^2$
- B $2\pi(12.1)$
- C $\pi(3.8)^2$
- D None of these

4.)

A cylinder and its dimensions are shown in the diagram.



Which equation can be used to find V , the volume of the cylinder in cubic inches?

- A $V = \pi(2.5h)^2$
- B $V = \pi(5h)^2$
- C $V = \pi(2.5)^2h$
- D $V = \pi(5)^2h$