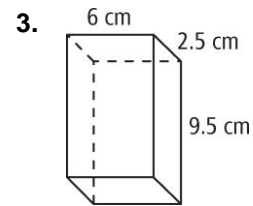


# 11-4 Practice

Form G

## Volumes of Prisms and Cylinders

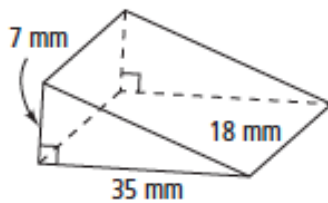
Find the volume of each rectangular prism.



8. The base is a rectangle with length 3.2 cm and width 4 cm. The height is 10 cm.

Find the volume of each triangular prism to the nearest tenth.

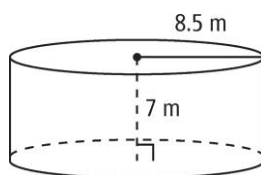
9.



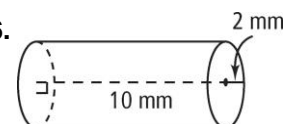
12. The base is a right triangle with a leg of 12 in. and hypotenuse of 15 in. The height of the prism is 10 in.
13. The base is a  $30^\circ$ - $60^\circ$ - $90^\circ$  triangle with a hypotenuse of 10 m. The height of the prism is 15 m. Find the volume to the nearest tenth.

Find the volume of each cylinder in terms of  $\pi$  and to the nearest tenth.

14.

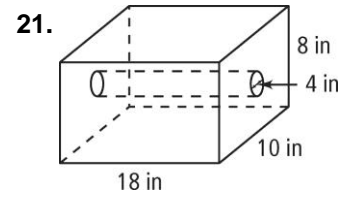
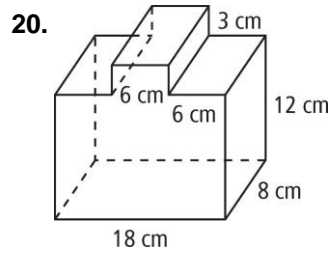
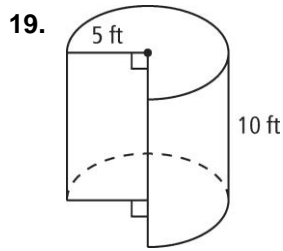


16.



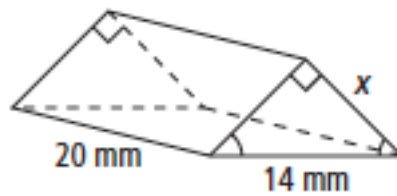
18. a right cylinder with a diameter of 8 ft and a height of 15 ft.

**Find the volume of each composite figure to the nearest whole number.**

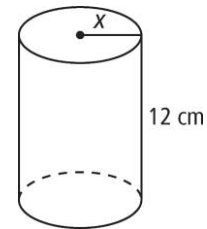


**Find the value of  $x$  to the nearest tenth.**

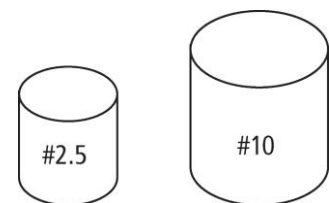
**23.** Volume:  $980 \text{ mm}^3$



**24.** Volume:  $602.88 \text{ cm}^3$



**26.** A No. 10 can has a diameter of 15.5 cm and a height of 17.5 cm.  
A No. 2.5 can has a diameter of 9.8 cm and a height of 11 cm.  
What is the difference in volume of the two can types, to the nearest cubic centimeter?



**25.** What is the volume of the solid figure formed by the net?

