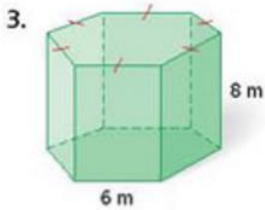


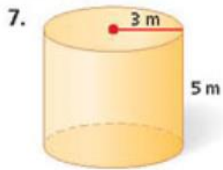
Day 1 Volume of Prisms and Cylinders HW

pg. 753: 3-4, 7, 9, 13, 26, 37, 39

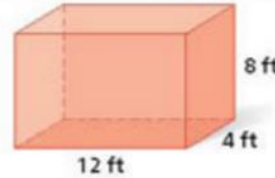
For 3, 4, & 7, find the volume of the figure.



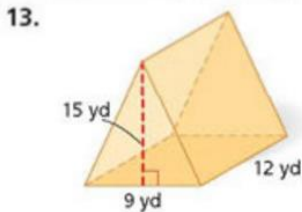
4. a cube with edge length 8 ft



Describe the effect on the volume.
9. The dimensions are multiplied by $\frac{1}{4}$.



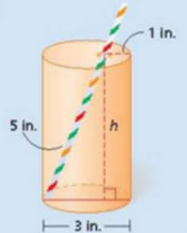
Find the volume.



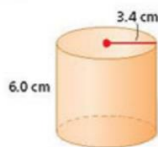
**MULTI-STEP
TEST PREP**



26. A cylindrical juice container with a 3 in. diameter has a hole for a straw that is 1 in. from the side. Up to 5 in. of a straw can be inserted.
- Find the height h of the container to the nearest tenth.
 - Find the volume of the container to the nearest tenth.
 - How many ounces of juice does the container hold?
(Hint: $1 \text{ in}^3 \approx 0.55 \text{ oz}$)



37. Abigail has a cylindrical candle mold with the dimensions shown. If Abigail has a rectangular block of wax measuring 15 cm by 12 cm by 18 cm, about how many candles can she make after melting the block of wax?
- (A) 14 (B) 31 (C) 35 (D) 76



39. One juice container is a rectangular prism with a height of 9 in. and a 3 in. by 3 in. square base. Another juice container is a cylinder with a radius of 1.75 in. and a height of 9 in. Which best describes the relationship between the two containers?
- (A) The prism has the greater volume.
(B) The cylinder has the greater volume.
(C) The volumes are equivalent.
(D) The volumes cannot be determined.