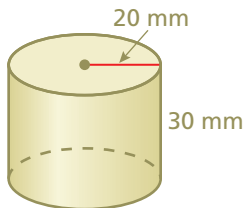


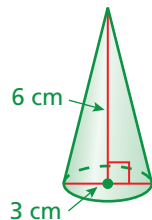
8 Chapter Test

Find the volume of the solid. Round your answer to the nearest tenth.

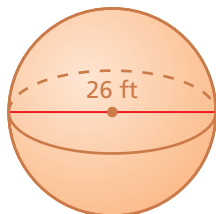
1.



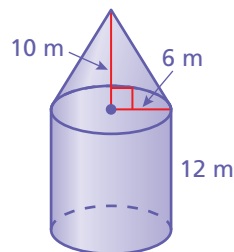
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3.

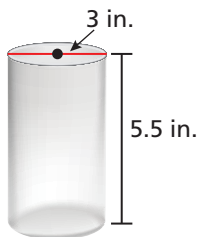
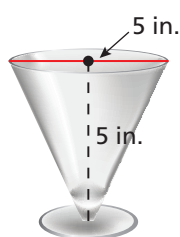
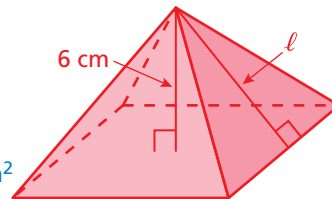
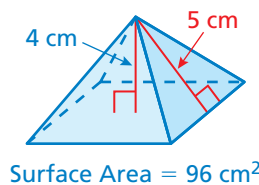


4.



5. The pyramids are similar.

- Find the missing dimension.
- Find the surface area of the red pyramid.



6. **SMOOTHIES** You are making smoothies. You will use either the cone-shaped glass or the cylindrical glass. Which glass holds more? About how much more?

7. **CONES** The ratio of the corresponding linear measures of two similar cones is 3 to 4. The smaller cone has a volume of about 18 cubic inches. Find the volume of the larger cone. Round your answer to the nearest tenth.

8. **OPEN-ENDED** Draw two different composite solids that have the same volume but different surface areas. Explain your reasoning.

9. **MILK** Glass A has a diameter of 3.5 inches and a height of 4 inches. Glass B has a radius of 1.5 inches and a height of 5 inches. Which glass can hold more milk?

10. **REASONING** Without calculating, determine which solid has the greater volume. Explain your reasoning.

