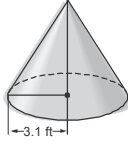


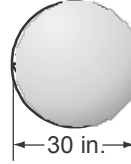
Worksheet 8.R: Volume Review | Chapter 8

For Exercises 1-8, find the volume of each solid. Round to the nearest tenth if necessary.

1.



2.



1. _____

2. _____

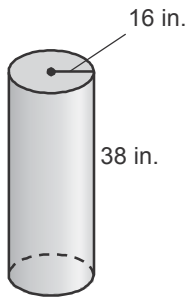
3. hemisphere: radius = 20 m

4. cylinder: radius = 3 m
height = 5.7 m

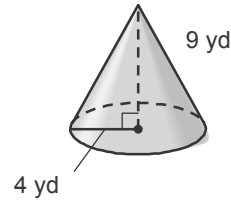
3. _____

4. _____

5.



6.



5. _____

6. _____

7. cone: diameter = 12 m
slant height: = 8.4 m

8. cylinder: diameter = 7 cm
height = 5.1 cm

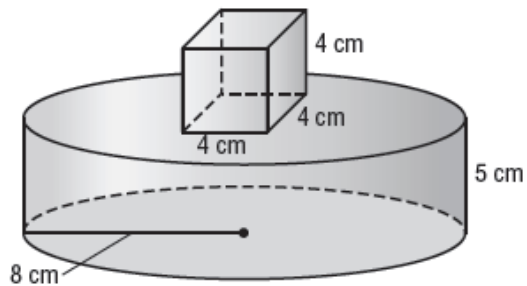
7. _____

8. _____

9. A beachball has a diameter of 12 inches. What is the volume to the nearest tenth?

9. _____

10. Find the volume of the composite shape. Round to the nearest tenth.



10. _____

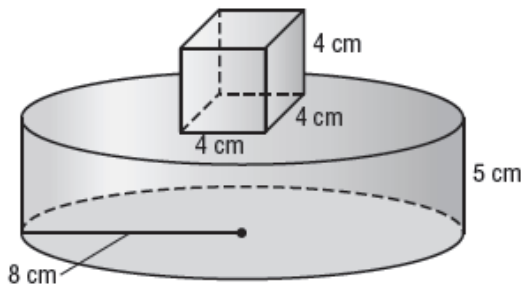
Test Worksheet 8 R: Volume Review | Chapter 8

SCORE _____

12. A container in the shape of a cone has a volume of 40 cubic units. Its base has an area of 15 square units. What is the height of the container? **12.** _____

13. Marcos is buying paint to cover 10 cylindrical-shaped benches. Each bench has a diameter of 2 feet and a height of 3 feet. How much paint does Marcos need to buy? Round to the nearest tenth. **13.** _____

14 Find the volume of the composite shape. Round to the nearest tenth. **14.** _____



15. Solid A is similar to Solid B. Solid B has a volume of 23,000 cubic meters. By what scale factor can you multiply every side of Solid A to get Solid B if the volume of Solid A is 23 cubic meters? **15.** _____

16. A cylinder has a volume of 26 cubic inches. If all the dimensions are multiplied by 3.2, what would be the volume of the new cylinder? Round to the nearest hundredth if necessary. **16.** _____