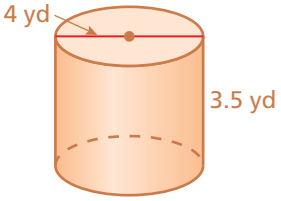
8.1–8.2 Quiz

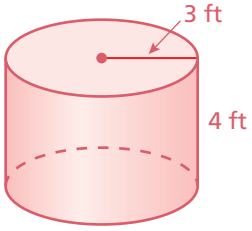
Check It Out
Progress Check
BigIdeasMath.com

Find the volume of the solid. Round your answer to the nearest tenth. *(Section 8.1 and Section 8.2)*

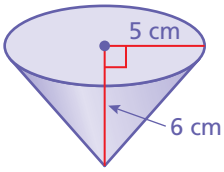
1.



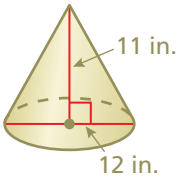
2.



3.

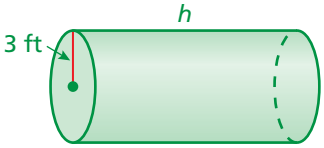


4.



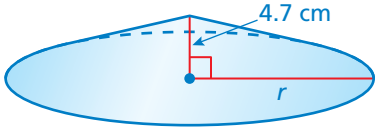
Find the missing dimension of the solid. Round your answer to the nearest tenth. *(Section 8.1 and Section 8.2)*

5.



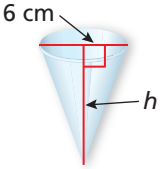
Volume = 340 ft^3

6.

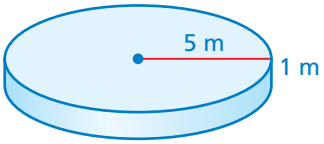


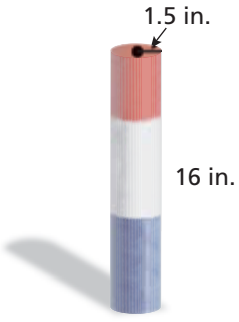
Volume = 938 cm^3

7. PAPER CONE The paper cone can hold 84.78 cubic centimeters of water. What is the height of the cone? *(Section 8.2)*



8. GEOMETRY Triple both dimensions of the cylinder. How many times greater is the volume of the new cylinder than the volume of the original cylinder? *(Section 8.1)*





9. SAND ART There are 42.39 cubic inches of blue sand and 28.26 cubic inches of red sand in the cylindrical container. How many cubic inches of white sand are in the container? *(Section 8.1)*

10. JUICE CAN You are buying two cylindrical cans of juice. Each can holds the same amount of juice. What is the height of Can B? *(Section 8.1)*

Can A Can B