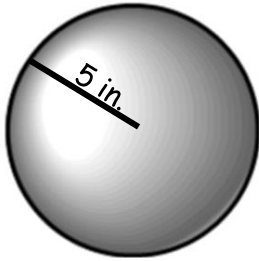


Volume of Spheres and Composite solids

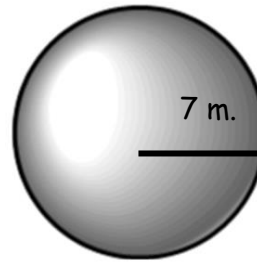
Practice C-Level: Find the volume of each solid. Show your work.

1.



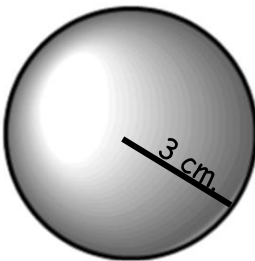
Volume _____

2.



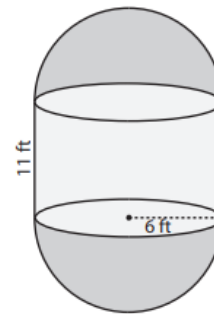
Volume _____

3.



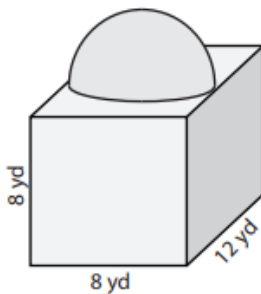
Volume _____

4.



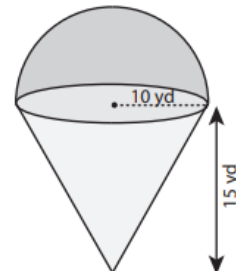
Volume _____

5.



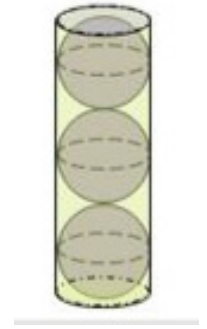
Volume _____

6.



Volume _____

7. The radius of the balls in the canister is 2 in. What is the volume of the space in the canister not occupied by balls?



8. Air is leaking from a spherical-shaped advertising balloon at the rate of 26 cubic feet per minute. If the diameter of the balloon is 14 feet, how long would it take for the balloon to empty fully?

B-Level

9. Find the missing measures. Hint, draw a picture, draw a picture, draw a picture:

a. Radius of a sphere with volume of 972π cu. in.	b. Radius of a sphere with volume of 288π cu. ft	c. Height of a cone with a radius of 3 cm. and a volume of 63π cu. cm.
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10. An exotic fish is placed in rectangular aquarium that has a 75 cm x 35cm base. If the water level rises 2 cm when the fish is placed in the aquarium, then what is the volume of the fish?

