

1. $V = 195 \text{ cm}^3$
2. $V = 3375 \text{ in}^3$
3. $V = 157.5 \text{ yd}^3$
4. 209,804 lbs.
5. $V = 1134\pi \approx 3562.6 \text{ in}^3$
6. $V = 2662\pi \approx 8362.9 \text{ cm}^3$
7. $V = 1518 \text{ m}^3$
8. $V = 245\pi \approx 769.7 \text{ cm}^3$
9. $V = 1406.25\pi \approx 4417.9 \text{ in}^3$
10. $V = 2560\pi \approx 8042.5 \text{ cm}^3$
11. $V = 83,126.5 \text{ cm}^3$
12. $V = 3000 \text{ ft}^3$
13. $r = 4.4 \text{ cm}$
18. $V = 42 \text{ units}^3$
- ~~18~~ 19. $V = 11630.9 \text{ cm}^3$
20. $r = 2.7 \text{ cm}$
21. $V = 1989.7 \text{ cm}^3$
22. $V = 261.8 \text{ cm}^3$
23. $h = 27.1 \text{ cm}$
24. $r = 7.5 \text{ cm}$
25. $SA = 546.1 \text{ m}^2$

26. $V = 233.4 \text{ cm}^3$
27. 25 in^3
28. 125 ft^3
29. 54,000 lbs.
30. yes; $\frac{7}{4}$