

1. Reduce 4 to millionths, and extract the cube root.

Extract the cube root of the following numbers to two places of decimals :

2. 60.	5. 4.8.	8. 112.05.	11. $\frac{1}{4}$.	14. .08.
3. 180.	6. 14.43.	9. 7.0008.	12. $\frac{3}{10}$.	15. .06 $\frac{1}{2}$.
4. 1600.	7. 6.827.	10. 13.65.	13. $\frac{7}{10}$.	16. .4 $\frac{1}{2}$.

17. What is the length of one side of a cubical block of wood that contains 2197 cu. in. ? that contains 42,875 cu. in. ?
18. What are the dimensions of a cubical cistern that contains 658,503 cu. in. ? that contains 8 cu. yd. ?
19. What is the inside measurement of a cubical box that contains a bushel of wheat ? of a cubical bin that contains 50 bushels of wheat ?
20. What is the inside measurement of a cubical cistern that contains 389,017 cu. in. ? of a cubical cistern that contains 100 gallons of water ?
21. What is the edge of a cube that contains as many cubic feet as a plank 18 ft. long, 9 in. wide, and 2 $\frac{1}{2}$ in. thick ?
22. There are 152 $\frac{1}{2}$ sq. rd. in a lot of land whose width is to its length as 2 to 3. What are the dimensions of the lot ?
23. What are the dimensions of a cubical pile of stone that contains 14 cords ?
24. A box containing 27 cu. ft. is twice as wide as it is deep, and twice as long as it is wide. What are the inside dimensions of the box ?
25. What is the length of a cubical bin that will contain as much wheat as a bin that is 18 ft. long, 4 $\frac{1}{2}$ ft. wide, and 6 $\frac{1}{2}$ ft. deep ?
26. What is the length of a quarter-section of land ? Make problems about cost of fencing, etc.
27. A cistern whose dimensions are in the proportion of 2 : 3 : 4 has a capacity of 9000 gallons. What are the dimensions ?
28. The width of a rectangular field containing 3 $\frac{1}{2}$ A. is $\frac{2}{3}$ of its length. Required the distance around it ?