

11. A tank contains 526 cu. ft. of water. How many cubic inches does it contain?
12. What is the total weight of 560 castings of the same size, if each one weighs 345 lbs.?
13. A car weighing 32500 lbs. is loaded with 5600 lbs. cast-iron, 3769 lbs. wrought-iron, 4586 lbs. of brass, and 9675 lbs. of steel boiler plate. What is the combined weight?
14. At 22 cts. per cubic foot, what is the cost of excavating a cellar if 3498 cu. yds. of earth were removed?
15. A steam plant has two engines of 934 horse-power each. The starboard engine of a steamship develops 3218 horse-power and the port engine 3232 horse-power. How much greater power is developed in the ship than in the steam plant?
16. A pump delivers 33720 cubic feet of water in two hours (60 minutes each). How many cubic feet are delivered per minute?
17. A 9 ft. blower makes 175 revolutions per minute. How many revolutions will it make in 29 minutes?
18. There are 360 rivets in a hundred pounds. How many pounds will be required to forge 64,800 rivets.
19. The heating surface in a locomotive is 88 sq. ft. in the fire box and 792 sq. ft. in the tubes. What is the total heating surface? How many times as much surface is there in the tubes than in the fire box?