

21. A car contains 345680 lbs. of cast-iron. What is the total weight contained by the car if 34910 lbs. of malleable iron and 5678 lbs. of brass castings are added to the load?

22. A shop has 47583 sq. ft. in one department, 67483 in another, 12500 in another, and 34567 sq. ft. in another. If there are 157815 sq. ft. in the balance of the shop, what is the total floor space?

23. A marine engine during a 3 hours' run makes 9187 revolutions the first hour, 9062 the second, and 9233 the third. How many does it make in the 3 hours?

24. Coal is fed to a furnace as follows:—Monday, 376 pounds; Tuesday, 307 pounds; Wednesday, 438 pounds; Thursday, 425 pounds; Friday, 399 pounds; Saturday, 301 pounds. Find the total for the week.

25. The items for lumber called for in a contract were:—Frame, 3896 feet; flooring, 6796 feet; finish, 2739 feet. How many feet were used?

26. A surveying party works six weeks. The first week they survey 151 miles; the second week, 111 miles; the third week, 162 miles; the fourth week, 159 miles; the fifth week, 96 miles; the sixth week, 48 miles. How many miles did they survey?

27. There are five water wheels installed in a water power plant. The power furnished by the first wheel is 2225 horse-power, and the others furnish, 3150, 4275, 5650 and 8275 horse-power. What is the total capacity of the five wheels?

28. The weekly capacity of 4 lathes is as follows: 2500 castings, 4175 nuts, 3420 brass boxings, and 2185 finished trimmings. How many pieces do the four lathes turn out per week?