

18. A took a railway journey of 93 miles; B travelled 9 times as far; C 12 times as far as A and B together; D 13 times as far as C., less what B travelled. How many miles did all of them travel?

19. The head of a boiler has an area of 11310 square inches. If the pressure per square inch is 40 pounds, what is the total pressure on the head?

20. A concrete mixer delivers 14 cubic yards per hour. A gang of men takes away 12 cubic yards per hour. How many cubic yards will remain unmoved at the end of 4 hours? At the end of 8 hours?

21. If there are 12 threads per inch on a screw, how many threads are there in 4 inches?

22. If a piston moves through 468 feet in one minute, how far does it travel in 45 minutes?

23. If a boiler evaporates 1945 pounds of water in one hour, how many pounds will it evaporate in 9 hours?

24. A certain girder supports 136925 pounds. How much will 65 such girders support?

25. An engine in a certain power plant requires 18 pounds of steam per horse-power per hour. If the engine is developing 640 horse-power, what is the total steam consumption?

26. A gang of men can lay 1 mile of track in 5 days. How long will it require them to lay 35 miles?

27. If a pump discharges 4 gallons of water per stroke and it makes 100 strokes per minute, how many gallons will it discharge in 45 minutes?

28. If one 32 candle-power incandescent lamp costs one cent per hour, what will be the cost of 48 such lamps for 13 hours?