

ARTICLE 71.

Time Measure.

1. Reduce 1 week 6 days 23 hours 59 minutes to minutes.
2. Reduce 5 days 15 hours 10 minutes 5 seconds to seconds.
3. Reduce 1 leap year to seconds.
4. How many minutes will there be in the year 1900?
5. How many seconds in February, March, and April, 1896?
6. Reduce 608401 seconds to weeks.
7. Reduce 1576800 minutes to common years.
8. Reduce 31535999 seconds to weeks.
9. Reduce 2108160 minutes to leap years.
10. Reduce 31556926 seconds to days.
11. Two cities are situated upon the same stream, 1000 miles apart. In what time can a steamer sail from one to the other, at the rate of eight miles per hour?
12. There were 52 Sundays in the year 1892. If a man worked 10 hours a day for every working-day in that year, and his wages were \$0.175 per hour, how much did he earn?
13. A pedestrian traveled a certain distance in 24 hrs. 26 min. 40 sec., at the rate of two yards per second. What was the distance (1760 yards = one mile)?
14. A locomotive running from New York to San Francisco consumed 21 tons of coal, at the rate of 250 lb. per hour. In what time was the trip made?
15. A reservoir containing 10800000 gallons of water discharges 25 gal. per second. How long will it take to empty it?
16. A farmer mowed a meadow in 8 days of 12 hrs. each. If he mowed 20 sq. rods per hour, how many acres were in the meadow?

17. A party of laborers dug a mill-race 1500 yds. long, 12 ft. wide, and 3 ft. deep, at the rate of one cubic yard in five minutes. If they worked 10 hrs. a day, how many days were they employed?

18. If a man can weave one inch of rag carpet in two minutes, in how many days of nine hours each can he weave the carpet for a room 18 ft. long and 15 ft. wide?

19. A flouring-mill ground a certain quantity of wheat in six days, running night and day, at the rate of one pint in five seconds. How many bushels were ground?

20. What time would be required to count from 1 to 1000000, at the rate of 25 consecutive numbers per minute for 10 hrs. per day?

ANSWERS.

ARTICLE 71.

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| 1. 20159 min. | 8. 52 weeks 23 | 13. 100 miles. |
| 2. 486605 sec. | hrs. 59 min. | 14. 1 week. |
| 3. 31622400 sec. | 59 sec. | 15. 5 days. |
| 4. 525600 min. | 9. 4 leap years. | 16. 12 acres. |
| 5. 7706000 sec. | 10. 365 days 5 | 17. 50 days. |
| 6. 1 week 1 hr. | hrs. 48 min. | 18. 4 days. |
| 1 sec. | 46 sec. | 19. 1620 bu. |
| 7. 3 yrs. | 11. 5 days 5 hrs. | 20. 66 da. 6 hrs. |
| | 12. \$549.50. | 40 min. |