- 5. 24 hours in time = 360° longitude.

 1 hour in time = 'o' longitude.

 1 minute in time = 'longitude.

 1 second in time = 'longitude.
- 6. How express longitude in time?

 Ans. Divide the number of degrees, etc., by 15.
- 7. How express time in longitude?

 Ans. Multiply the number of hours, etc., by 15.
- 8. If the difference of time between two places is 19 min. 12 sec., what is their difference in longitude?
- 9. If the difference in longitude between two places is 20° 36′ 15″, find the difference in time.
- 10. The difference of time between Albany and San Francisco is 3 hrs. 14 min. $47\frac{2}{3}$ sec. Find their difference in longitude.
- 11. The difference in longitude between St. Petersburg and Washington is 107° 19′ 45″. Find their difference in time.
- 12. Montreal is 73° 25′ and St. Paul 93° 4′ west of Greenwich. What is the difference in clock-time between the two cities?
 - 13. Montreal is 73° 25′ W. and Paris 2° 20′ E. of Greenwich. Find their difference in time.
 - 14. How much earlier does the sun rise in Montreal than in New York, lon. 74°? In Chicago, lon. 87° 37′ 45″? In San Francisco, lon. 122° 26′?
- 15. When it is 9 A.M. in Montreal, what is the time in New York? In Chicago? In San Francisco?

(Time will be later in places east; earlier in places west. Why?)

16. When it is 3 o'clock in the afternoon at Greenwich, what will be the time in Montreal, lon. 73° 25′ W.? In Constantinople, Ion. 29° E.? In Calcutta, 88° 27′ E.?

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