

11 Calculate the time difference in standard time between each of the following cities.

a Mumbai (19°N , 73°E) and Casablanca (23°N , 82°W)

b Tokyo (36°N , 140°E) and Adelaide (23°S , 134°E)

c Miami (26°N , 80°W) and Seattle (47°N , 122°W)

$$\begin{aligned} \text{T.D.} &= (73 + 82) \times 4 \\ &= 620 \text{ min} \\ &= 10 \text{ hrs } 20 \text{ mins} \end{aligned}$$
