

Time Zones #1

References: *Geographical Essentials*, pp. 48-50, 52-54.

The Canadian Oxford World Atlas, 5th Edition, page 141. (you will probably want to also refer to the world map on the inside front cover of the atlas.)

You may answer the following in the space below each of the questions.

1. Who do time zone boundaries not always follow straight meridians?
2. Which country spans the greatest number of time zones? How many?
3. What is your local time if you are 15° E of the Prime Meridian and Greenwich Mean Time (GMT) is 6:00 a.m.?
4. You are a ship's captain who has calculated the latitude of the ship as 20° N. Your local time is 10:00 a.m. when GMT is 4:00 p.m. In which body of water are you located?
5. You are on a ship sailing from Hawaii to Japan. As you are about to cross the International Date Line the Captain makes an announcement about adjusting your watches. It is 7:55 p.m. at the point where you cross the line. What do you have to reset your watch to?
6. If it is 12:00 noon in London, England, what time is it in Rome, Italy?
7. If it is 2:00 p.m. in Rome, Italy, what time is it in Tokyo, Japan?
8. If it is 3:00 a.m. in Taiwan, what time is it in Perth, on the SW coast of Australia?

Refer to the map on p. 54 of Geographical Essentials to answer the following:

9. How many time zones are there in Canada?
10. What time zone do we live in? What is the standard meridian on which it is based?

11. How many hours difference is there between our time zone and the Greenwich zone?
12. If the Vancouver Canucks play the Toronto Maple Leafs at 8:00 p.m. Toronto time, what time will we see the opening face off on our TV. sets in Vancouver?
13. How big a difference is there between the Newfoundland and Atlantic time zones?

Refer again to the time zone map on page 141 and the world map on the front inside cover of your atlas.

15. If it is 12:00 noon in Vancouver, what time is it in Istanbul, Turkey?
16. If it is 12:00 noon in Beijing, China, what time is it in New York, USA?
17. If you are flying from Ottawa, Canada to Lima, Peru and the flight takes around 6 hours, what time will you land in Lima if your plane leaves Toronto at 8:00 a.m.?
18. If you are flying from Vancouver to Tokyo, Japan and the flight takes 9 hours. What time will you land if you take off at 6:00 p.m. on March 5?