

Answer the following using your note guide and World Time Zones Map:

1. Into how many standard time zones is the earth divided?
 2. Since the earth rotates 360° each day and there are 24 hours in a day, how many degrees does the earth turn in one hour?
How many degrees apart should each *standard* time zone be?
 3. Examine the World Time Zones Map. Why don't the time zone lines follow the longitude lines exactly?
 4. Are places to the east of you ahead or behind in time?
 5. How many time zones are there in the United States? (don't forget Alaska/Hawaii)
 6. If it were 12 noon in England (GMT) what time would it be at 75° E? At 75° W?
 7. When it is 12 noon Wednesday in Lindon, Utah, what day and time is it in London?
 8. When it is 12 noon Wednesday in Lindon, Utah, what day and time is it in New Zealand?
 9. When it is 11 am Tuesday in Toronto, Canada, what day and time is it in Sao Paulo, Brazil?
 10. If it is 11:17 am Thursday in Lindon, what day and time would it be in Mexico City?
 11. What is the time difference between Los Angeles and Lima, Peru?
 12. What is the time difference between Sao Paulo and London?
 13. When it is 6:00 pm in Sydney, Australia, what city would be 10:00 am the same day?
 14. A business woman in Washington, DC wants to call a client in Japan at 10 am Wednesday local Tokyo time. What day and time would the person need to call from Washington, DC?
 15. A US soldier in Baghdad, Iraq wants to call his family in Utah. He doesn't want to shock them by phoning in the middle of the night. What day and time would he have to call from Baghdad for the phone to ring at 4 pm Sunday in Utah?
 16. In what way is time both real and imaginary?
 17. As you cross the International Date Line from east to west, do you add or subtract a day on the calendar?
- Bonus: When it is 11 pm Friday in Tokyo, Japan, what day and time is it in Honolulu, Hawaii?

World Time Zones

