

Name: ..... Class: .....

Times Zones



There are four main time zones in USA. We have; the Pacific, Mountain, Central and Eastern time zones.

If it is 2 PM in the Pacific time zone, it will be 3 PM in the Mountain time zone, 4 PM in the Central time zone and 5 PM in the Eastern time zone.

a. What time is it in the Mountain time zone if it is 5:00 PM in the Pacific time zone?

b. What time is it in the Eastern time zone if it is 7:00 AM in the Central time zone?

c. What time is it in the Pacific time zone if it is 1:00 AM in the Eastern time zone?

d. What time is it in the Central time zone if it is 2:00 PM in the Pacific time zone?



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- a. What time is it in the Mountain time zone if it is 5:00 PM in the Pacific time zone?

We know that, the mountain time zone is 1 hour ahead of the Pacific time zone.

So to get the time in the mountain time zone given the Pacific time, we have to add 1 hour to 5:00 PM.

$$5:00 \text{ PM} + 1 \text{ hour} = 6:00 \text{ PM.}$$

So, it is 6:00 PM in the mountain time zone.

- b. What time is it in the Eastern time zone if it is 7:00 AM in the Central time zone?

We know that, the Eastern time zone is 1 hour ahead of the central time zone.

So to get the time in the Eastern time zone given the central time, we have to add 1 hour to 7:00 AM.

$$7:00 \text{ AM} + 1 \text{ hour} = 8:00 \text{ AM.}$$

So, it is 8:00 AM in the Eastern time zone.

- c. What time is it in the Pacific time zone if it is 1:00 AM in the Eastern time zone?

We know that, the Pacific time zone is 3 hours behind the Eastern time zone.

So to get the time in the Pacific time zone given the Eastern time, we have to subtract 3 hours from 1:00 AM.

$$1:00 \text{ AM} - 3 \text{ hours} = 10:00 \text{ PM.}$$

So, it is 10:00 PM in the Pacific time zone.

- d. What time is it in the Central time zone if it is 2:00 PM in the Pacific time zone?

We know that, the Central time zone is 2 hours ahead of the Pacific time zone.

So to get the time in the Central time zone given the Pacific time, we have to add 2 hours to 2:00 PM.

$$2:00 \text{ PM} + 2 \text{ hours} = 4:00 \text{ PM.}$$

So, it is 4:00 PM in the Central time zone.

