tutorified

4.MD.A.2: Use the four operations to solve word problems involving distances, intervals of time, liquid volumes, masses of objects, and money

1. Jessica starts to drive her daughter to school at 7:05 AM. She usually takes 50 minutes to reach school. At what time does she usually reach her daughter's school?

   Solution:

2. Jacob took a nap for 20 minutes. Jacob looked at his clock after a nap and it was 2:45 PM. At what time Jacob takes a nap?

   Solution:

3. Order the times of the day given below from earliest to latest.
   a. 5:20 AM, 12:30 PM, 7:00 PM, 8:15 AM, 10:45 PM
   b. 1:35 AM, six fifty-five in the morning, 6:20 PM, 15 minutes before 9 in the evening
   c. Quarter to 9 in the morning, 8:25 AM, 11:05 AM

   Solution:

   a.
   b.
   c.

4. Harry records the name of his teammates, their locations, and time zone information in the table given on your right. Use the data in the table to answer the following problems:

   a. Harry wants to start a meeting on Monday at 3:30 PM according to his clock. The meeting is supposed to last for 2 hours and 10 minutes. At what time the meeting will end as per Joshua's watch?
   b. Arnold requests that the meeting ends early as he has another meeting scheduled at 4:00 PM as per his office clock on the same day. If all other teammates agree, at what time does the meeting end in New York, Chicago and Los Angeles respectively?
   c. What time is it in Los Angeles when it is 5:40 PM in New York?

Harry's Team		
Name	Location	Current Time
Joshua	New York	4:00 PM
Mike	Chicago	3:00 PM
Arnold	Salt Lake City	2:00 PM
Harry	Los Angeles	1:00 PM

Solution:

a.

b.

c.

4.MD.A.2 Word Problems Involving Time Intervals – II

Answer Key

4.MD.A.2: Use the four operations to solve word problems involving distances, intervals of time, liquid volumes, masses of objects, and money

1. Jessica starts to drive her daughter to school at 7:05 AM. She usually takes 50 minutes to reach school. At what time does she usually reach her daughter's school?

   7:55 AM

2. Jacob took a nap for 20 minutes. Jacob looked at his clock after a nap and it was 2:45 PM. At what time Jacob takes a nap?

   2:25 PM

3. Order the times of the day given below from earliest to latest.
   a. 5:20 AM, 12:30 PM, 7:00 PM, 8:15 AM, 10:45 PM
   b. 1:35 AM, six fifty-five in the morning, 6:20 PM, 15 minutes before 9 in the evening
   c. Quarter to 9 in the morning, 8:25 AM, 11:05 AM

   a. 5:20 AM; 8:15 AM; 12:30 PM; 7:00 PM; 10:45 PM

   b. 1:35 AM; six fifty-five in the morning; 6:20 PM, 15 minutes before 9 in the evening

   c. 8:25 AM; Quarter to 9 in the morning, 11:05 AM

4. Harry records the name of his teammates, their locations, and time zone information in the table given on your right. Use the data in the table to answer the following problems:

Harry's Team		
Name	Location	Current Time
Joshua	New York	4:00 PM
Mike	Chicago	3:00 PM
Arnold	Salt Lake City	2:00 PM
Harry	Los Angeles	1:00 PM

   a. Harry wants to start a meeting on Monday at 3:30 PM according to his clock. The meeting is supposed to last for 2 hours and 10 minutes. At what time the meeting will end as per Joshua's watch?
   b. Arnold requests that the meeting ends early as he has another meeting scheduled at 4:00 PM as per his office clock on the same day. If all other teammates agree, at what time does the meeting end in New York, Chicago and Los Angeles respectively?
   c. What time is it in Los Angeles when it is 5:40 PM in New York?

   Solution:

   a. 8:40 PM
   b. 6:00 PM; 5:00 PM; 3:00 PM
   c. 2:40 PM