

Math Challenge 4

Solutions

1. How many minutes are between 9:55 a.m. and 10:05 a.m.?
Answer: 10 minutes
2. Everyday Alex's soccer practice starts at 5:30 p.m. Today he was late by 10 minutes. What time did Alex come to the soccer practice?
Answer: 5:40 p.m.
3. Alex's soccer tournament was on Thursday, and his brother, Bob's baseball tournament was 9 days earlier. What day of the week was Bob's baseball tournament?
Answer: Tuesday
4. Draw a clock with hands showing 6:00 a.m. and another clock with hands showing 6:30 a.m.
Answer:



5. Mary worked Monday, Tuesday, and Wednesday last week. On her first day, she worked 3 hours, and on each consecutive day she worked one hour longer than the previous day. How many hours Mary worked last week?
Answer: 12 hours
6. A soccer game has two 45-minute sessions and a half-time break between them. If the game started at 9:45 a.m. and ended at 11:30 a.m., how many minutes long was the half-time break?
Answer: 15 minutes
7. A movie is 90 minutes long. It started at 5:10 p.m. During the movie there were two commercial breaks, one lasting 8 minutes and another lasting 5 minutes. At what time did the movie finish?
Answer: at 6:53pm
8. There are two songs on a CD. The first song is 6 minutes and 25 seconds long; the second song is 12 minutes and 45 seconds long. How long does it take to play these two songs?
Answer: 19 minutes and 10 seconds
9. Alex, who is older than Peter by one year and one day, was born on January 1, 2002. What is the date of Peter's birthday? (This is not a leap year.)
Answer: January 2, 2003
10. At noon, the hour and minute hands of a clock are pointing to the number 12. Draw the position of the minute hand after 17 quarters past noon?
Answer: pointing number 3
11. How many times does the minute hand pass the number 12 on a clock between 10:15 a.m. and 3:45 p.m.?
Answer: 5 times
12. You are flying from Chicago to Dallas . Your plane leaves Chicago at 9:15 a.m. It arrives in Dallas at 1:05 p.m. Chicago and Dallas are in the same time zone. How long is the travel time?
Answer: 3 hours and 50 minutes
13. John and his family toured Chicago. They started their tour at 12:50 p.m. at the Sears Tower, where they spent 2 hours. Then they hung out at Navy Pier for 2 hours and 30 minutes and shopped on Michigan Avenue for 1 hour before dinner. What time was it when John and his family went to dinner?
Answer: 6:20 p.m.

EXTENSION:

Since it is 5:00 a.m. in Seattle, it's probably too early to call unless you know that your friend is a very early riser.