

Math Challenge #4



First Name: _____
Last Name: _____
Grade: _____
Teacher: _____

Time measures the interval between events, or length of events. We use clocks to look at time frequently throughout the day to keep track of it. Tracking time helps us to manage our activities wisely. We also look ahead in time, planning for future events, by using calendars. In Math Challenge #4, you will solve math problems associated with time. Use a clock and calendar if they help you. Your solutions to this challenge are due on **Thursday, November 17 (no later than 3 p.m.)**. There will be four stretchy puffer ball yo-yos to give away. Winners will be picked randomly from qualified submissions.


Try to challenge yourself and do more than required. If you get the extension problem correct, it counts as part of your total.

Kinder, First & Second Grade: Solve at least 5 problems.

Third & Fourth Grade: Solve at least 8 problems.

Fifth & Sixth Grade: Solve at least 11 problems.



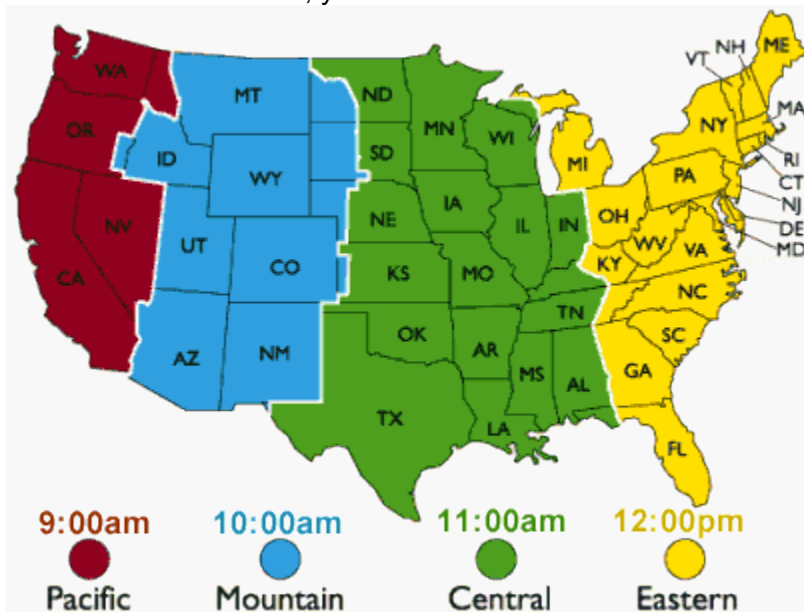
1. How many minutes are between 9:55 a.m. and 10:05 a.m.?
Answer: _____
2. Everyday Alex's soccer practice starts at 5:30 p.m. Today he was late by 10 minutes. What time did Alex come to the soccer practice?
Answer: _____
3. Alex's soccer tournament was on Thursday, and his brother, Bob's baseball tournament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



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: _____
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?
Answer: _____
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: _____
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: _____
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: _____
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: _____

Extension: Time Zone

The world is divided into 24 time zones, one for each hour of the day. If you're one time zone west of friends in another zone, your time is one hour earlier than theirs. If you are one time zone east of friends in another zone, your time is an hour later than theirs. Here are the US time zones.



If it is 8:00 a.m. in Baltimore MD, is it a good idea to call your friend in Seattle?

