
Problem of the Week

Number Three

September 19, 2016

Let's get right to it! Here's this week's problem:

My accurate clock has only one hand, an hour hand. At the precise moment that this hand points directly to the 22-minute mark, what is the exact time? (You should disregard AM or PM.)

See what you can do with that, and when you think you have the answer follow the italicized instructions at the bottom of the page.

This week's puzzle, while amusing, is perhaps not so complicated. So here's a bonus, clock-themed conundrum for you to consider:

Simpkins and Green made arrangements to meet at the railroad station to catch the eight-o'clock train to Philadelphia. Simpkins thinks that his watch is twenty-five minutes fast although it is in fact ten minutes slow. Green thinks his watch is ten minutes slow, while it has actually gained five minutes. What will happen if both men, relying upon their watches, try to arrive at the station five minutes before the train time?

Well, it seems like I still have some more space. So have a go at this one too:

Junior was late to class again. His teacher taunted him by saying, "You're late! Do you know what time it's?" Junior replied, "Just add one-quarter of the time from midnight until now to half the time from now until midnight, and that's what time it is."

So, what time is it?

Just to be clear, you only need to hand in a solution to the main problem. The other two are just for fun!

Hopefully that will keep you busy for a little while. See you next week!

*Submissions are due to Jason Rosenhouse by 5:00 on **Friday, September 23**. Solutions should be written on the back of an official POTW handout. Place your name, e-mail address, and the section numbers and professors of any math courses you are taking, in the **upper right corner** of the front of the page. One weekly winner will receive a five-dollar gift card from Starbucks. Solutions will be posted at this website, by the Monday after the problem is due:*

<http://educ.jmu.edu/~rosenhjd/POTW/homepage/Fall16.html>