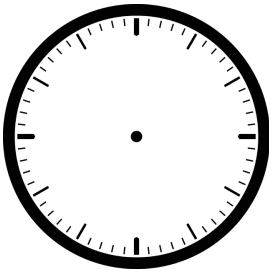


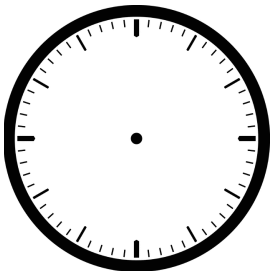
Math Challenge #8

February 1, 2016

Once Upon a Time

Level D - Intermediate

DUE on 2/12



An eccentric clockmaker built three different clocks.

** The first clock was a five-minute clock designed with an alarm set to sound each time the hand reached the number 2.

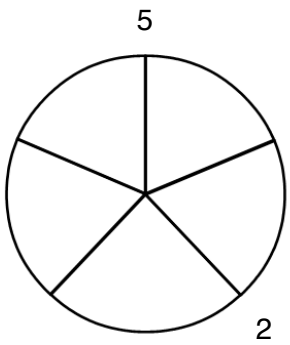
** The second clock was a six-minute clock designed to sound each time the hand reached the number 3.

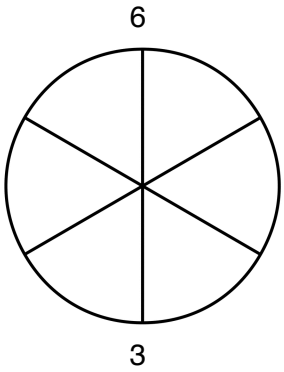
** The third clock was a seven-minute clock designed to sound each time the hand reached the number 4.

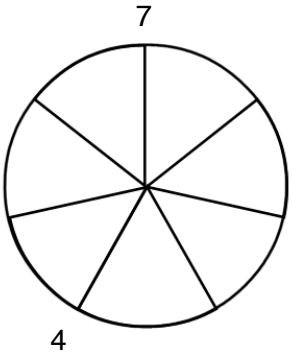
The clockmaker started the clocks simultaneously one day, and each clock began to sound at its appropriate time. Was there a time when all three clocks sounded their alarms together?

If so, tell when it occurred and explain how you figured it out.
If not, explain why not and how you know that to be true.

*****A hint from Ms. Francisco - Even though clocks are round, the solution can be found by thinking linear …***







Use another piece of paper to solve and show your answer.

Name _____ Teacher _____

*Based on Problem of the Month (c) Noyce Foundation 2013 Ms. Francisco