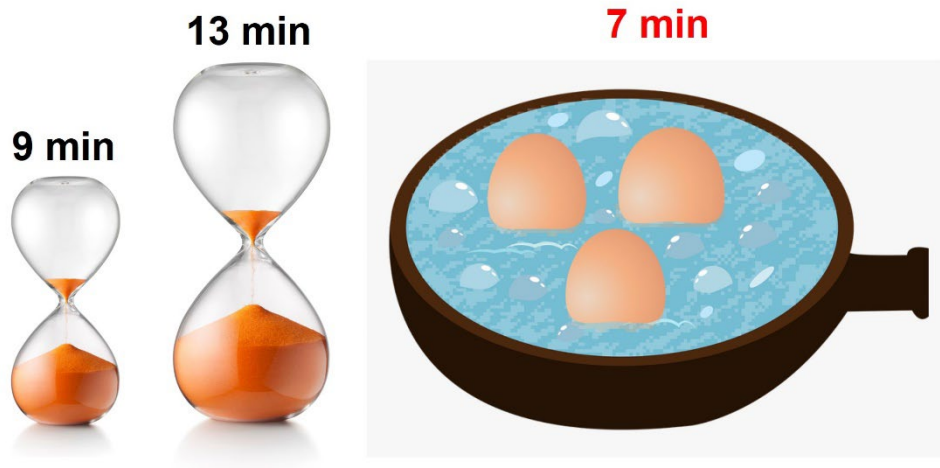


UC Merced Applied Math Problem of the Month

February 2023



There are two egg timers: one for 9 minutes and the one for 13 minutes. We want to boil eggs for exactly 7 minutes. How can we do that using only these timers?

Additional questions for you: Using only these timers, is it possible to measure k minutes for any positive integer k ? If not, which k minutes can we not measure? If we can measure k minutes for a particular value of k , how many different ways can we do this and what are all these different ways?

To submit your solutions for a chance to win an Amazon gift card, and to find out detailed contest rules,

- scan the QR code to the right, or
- go to <https://appliedmath.ucmerced.edu/news-events/problem-month>

