



# MATH PROBLEM OF THE WEEK

Spring 2023

## Problem 7

100 students

Prove that in each year, the 13th day of some month occurs on a Friday.

one other day

the remaining

is the average

**We welcome solutions from everyone. The undergraduate participant from the NMSU main campus with the most correct solutions at the end of the semester will receive an award of \$500.**

Solutions must be mathematically rigorous and originally obtained by the participants. Participants will be notified if their solutions are correct within a week.

**Deadline: Monday, April 17, 10 am**

Next problem will be posted on April 17

**Send solutions to: [mathpotw@nmsu.edu](mailto:mathpotw@nmsu.edu)**

**More information at: <https://math.nmsu.edu/activities/math-problem-of-the-week.html>**