



MATH PROBLEM OF THE WEEK

Fall 2021

Problem 1

100 students occupy all the tables of a cafeteria. When interviewed, twenty percent said they ate alone, thirty percent said they ate with one other person, thirty percent said they ate at a table of three, and the remaining twenty percent said they ate at a table of four. What is the average number of students at a table?

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.

Deadline: Monday, September 27, 10 am

Send solutions to: mathpotw@nmsu.edu

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