



MATH PROBLEM OF THE WEEK

Spring 2022

Problem 2

Find all positive integers n for which the set $\{1, 2, \dots, n\}$ can be split into two disjoint subsets such that the sum of the elements in each subset is the same.

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, February 28, 10 am

Send solutions to: mathpotw@nmsu.edu

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