



MATH PROBLEM OF THE WEEK

Fall 2025

Problem 4

There are three boxes, exactly one of which contains a prize. Each box has a label with a visible statement on it, and exactly one of the statements is true.

- Gold box label: "The prize is in this box."
- Lead box label: "The prize is not in the gold box."
- Silver box label: "The prize is not in this box."

Which box contains the prize? Justify your answer.

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, October 20, 10 am

Next problem will be posted on October 20

Send solutions to: mathpotw@nmsu.edu

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