



# MATH PROBLEM OF THE WEEK

## Fall 2025

### Problem 5

Find the largest number of points which a football team cannot get exactly using just 3-point field goals and 7-point touchdowns (ignore the possibilities of safeties, missed extra points, and two point conversions). 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 27, 10 am**

Next problem will be posted on October 27

**Send solutions to: [mathpotw@nmsu.edu](mailto:mathpotw@nmsu.edu)**  
**More information at: <https://math.nmsu.edu/activities/math-problem-of-the-week.html>**