



# MATH PROBLEM OF THE WEEK

## Spring 2026

### Problem 1

We call a year **Harmonious** if the sum of its digits is a divisor of the year itself. For example, the year 2025 was Harmonious because  $2+0+2+5 = 9$ , and 2025 is divisible by 9. Whereas, 2026, is clearly not Harmonious as  $2+0+2+6 = 10$  does not divide 2026. What are the next three Harmonious years after 2026? 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, March 2, 10 am**  
Next problem will be posted on March 2

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