

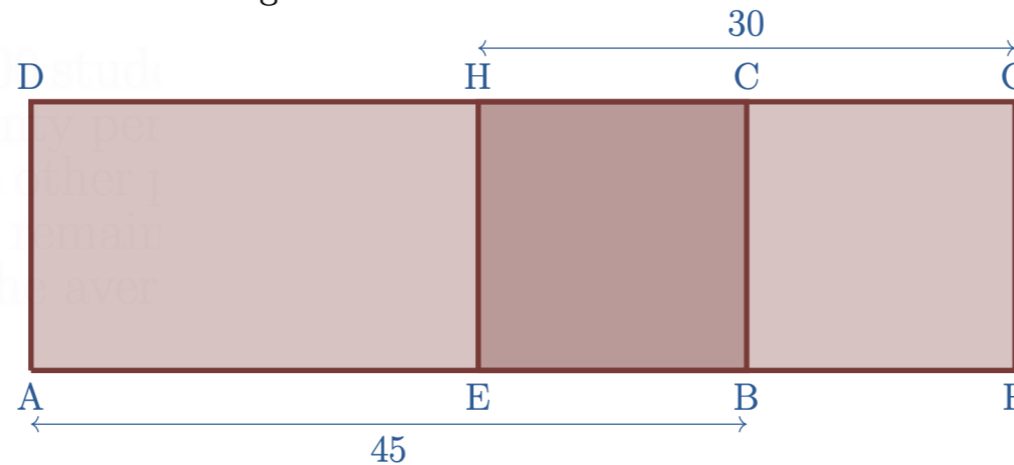


# MATH PROBLEM OF THE WEEK

Spring 2023

## Problem 2

If the intersection of the rectangle  $ABCD$  and  $EFGH$  is a square, then find the perimeter of the rectangle  $AFGD$ .



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 6, 10 am**

Next problem will be posted on March 6

Send solutions to: [mathpotw@nmsu.edu](mailto:mathpotw@nmsu.edu)

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