

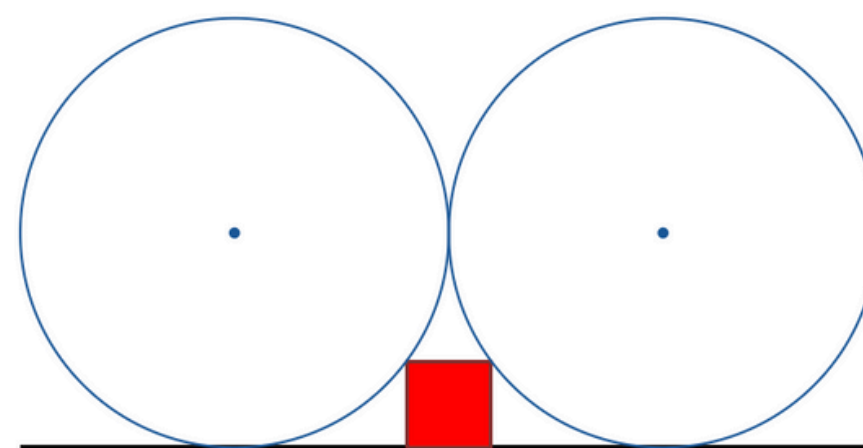


MATH PROBLEM OF THE WEEK

Fall 2025

Problem 7

Find the area of the red square placed between the two circles of radius 10 meters in the diagram:



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, November 10, 10 am

Next problem will be posted on November 10

Send solutions to: mathpotw@nmsu.edu

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