

Pi Mu Epsilon Problem of the Month

November 2025

A person rolls five six-sided dice. Each die is a different color (red, yellow, blue, green, and white). Find the number of ways that the person could roll exactly two different pairs. For example, one such roll would be: a three on the red, a three on the blue, a four on the yellow, a four on the white, and a six on the green.

Problem of the Month Rules:

- ⌘ Submissions must include a complete mathematical or logical justification along with the answer.
- ⌘ Submissions may only be made by individuals, or groups of two, and must be dated.
- ⌘ Due date: November 24, 2025, before 5 p.m. to Dr. David Shoenthal or Dr. Steven Hoehner.

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