

Week #5 Fall 2024



Problem of the Week

Pass the Pigs is a game where players roll two rubber pigs like dice. If the pig lands so that it is resting on its snout and ear, it is referred to as a leaning jowler. The probability of rolling a leaning jowler when rolling just one pig is 0.5%. If you roll both pigs together 500 times, what is the probability that you roll at least one double leaning jowler (a double leaning jowler means that both pigs land so that they rest on their snout and ear)?



Undergraduates may submit solutions to the Mathematics Department office, 1150 FAB **or** by email to mathpow@wayne.edu by noon 10/22/2024. Include your name, ID number, and whether you have completed Math 2030 (or higher). For more information go to <https://clas.wayne.edu/math>. Solutions will be posted online and throughout the math department after the deadline.