Problem 1: A jar on your desk contains twelve black, eight red, ten yellow, and five green jellybeans. You pick one without looking. What are the odds of picking a red or a black jellybean?
   a. 8/35
   b. 20/35
   c. 12/35
   d. 15/35
   e. None of these.

Problem 2: You draw one card from a standard 52-card deck. Find the probability that the card is a club.
   a. 4/52
   b. 13/52
   c. 26/52
   d. 39/52
   e. None of these.

Problem 3: If \( p(E) = \frac{8}{9} \), find \( o(E) \).
   a. 8:9
   b. 9:8
   c. 8:1
   d. 1:8
   e. None of these.

Problem 4: If \( o(E) = \frac{4}{7} \), find \( p(E) \).
   a. 4/7
   b. 7/4
   c. 4/11
   d. 11/4
   e. None of these.

Problem 5: Two coins are tossed. Find the probability that one is heads and one is tails.
   a. 2/4
   b. 1/4
   c. 3/4
   d. 1
   e. None of these.