

Which of the following have the same probability?

- (A) Drawing a club from a deck of cards.
- (B) Flipping “heads” on a coin, twice in a row.
- (C) Rolling a 4 on a 6-sided number cube.
- (D) Pulling a white sock out of a drawer that contains 3 white and 12 blue socks.
- (E) Randomly choosing a month that starts with the letter “J”.

Scoring: Worth 1 point. A, B, E

Key and distractor analysis:

- A. Key
- B. Key
- C. Used 4 as the probability, when there is only one 4 possible.
- D. Used the probability $\frac{3}{12}$ because there are 3 white socks and 12 blue.
- E. Key

Statistics and Probability

7.SP

Investigate chance processes and develop, use, and evaluate probability models.

8. Find probabilities of compound events using organized lists, tables, tree diagrams, and simulation.