

Probability and Combinatorics

Question

Suppose a bag contains *four red* tiles and *one blue* tile. Suppose you pull out two tiles. Which of the following is more likely?

- (a) The two tiles are the same color.
- (b) Each of the two tiles is a different color.
- (c) Neither

Answer: a. Two Tiles are the same color (red). It is suggested that students construct a sample space to justify.