

Name _____

Probability Worksheet 2

1. A drawer contains 15 socks; 6 of which are blue socks, 8 of which are white socks, and 1 is purple.
 - a) If two socks are drawn (without replacement), what is the probability that a pair of blue socks will be drawn?
 - b) If three socks are drawn (without replacement), what is the probability that a pair of white socks will be drawn?
 - c) If two socks are drawn (without replacement), what is the probability that a pair of white socks will be drawn?
 - d) If 4 socks are drawn (without replacement), what is the probability that a pair of white socks will be drawn?
 - e) If 8 socks are drawn (without replacement), what is the probability that a pair of purple socks will be drawn?

2. There are 8 blue marbles, 9 orange marbles, and 6 yellow marbles in a bag. It is equally likely that any marble will be drawn from the bag.
 - a) What is the probability of drawing a blue marble?
 - b) If three marbles are drawn (without replacement), what is the probability of drawing all orange marbles?
 - c) If two marbles are drawn (without replacement), what is the probability of not drawing 2 yellow marbles?

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