

Name: _____

1. There is a spinner with spaces divided equally:
3 red, 2 blue, 1 green, 4 purple.
Find : $P(\text{red})$:
 $P(\text{red then blue})$
 $P(\text{purple and blue})$

2. Sheniqua has 4 white socks, 2 grey socks, and 2 black socks in her drawer. She pulls 1 sock from the drawer without looking. She does not put it back. Then Breanna pulls a second sock from the drawer. What is the probability Breanna pulled 2 black socks from the drawer?

3. Probability of rolling 2 number cubes (1-6) with double 5's.

3. A bag of marbles with 5 blue,
3 white, 6 green, 2 orange, 4 clear.
Probability of pulling out 1 blue, replacing the marble,
and 1 orange.

4. Having a deck of cards, the probability of pulling an Ace, not replacing, then pulling a Jack.

5. A bag holds 1 black ribbon, 3 blue ribbons, and 4 green ribbons. Marc pulls 1 ribbon from the bag and does not replace it. Find the probabilities:
 - a. $P(\text{black and green})$
 - b. $P(\text{green and blue})$
 - c. $P(\text{blue and black})$

