

MasterMath

Dependent and Independent Events

Name _____

Date _____



1. What is the probability that you spin the number wheel twice, and get a 6 on the first spin and a 7 on the 2nd spin?

1.56%

2. What is the probability that you spin the number wheel and get greater than 4 on the first spin and less than 5 on the 2nd spin?

25.00%

3. What is the probability that the sum of your two spins totals 16?

1.56%



4. You pick one marble at random, replace it, then pick a 2nd marble. What is the probability that you pick first a red marble, then you pick a yellow marble?

11.11%

5. You pick a marble, don't replace it, then pick a 2nd marble. What is the probability that the first is red and the 2nd is purple?

16.67%

6. You pick a marble, don't replace it, then pick a 2nd marble. What is the probability that the first is not red and the 2nd is red?

33.33%



Picture shows a yellow, a green, a red, a purple, another yellow, and a blue painted rock.

7. You pick 1 painted rock, and you do not replace it. You then pick a 2nd colored rock. What is the probability that the first is yellow, and the second is green?

6.66%

8. You pick 1 painted rock, and you replace it. You then pick a 2nd colored rock. What is the probability that the first is not yellow, and the second is green?

11.11%

9. You are handed two rocks from this group. They were chosen at random. What is the probability that neither is red?

66.67%