

**Determining Dependent and Independent Events - Independent Practice Worksheet**

1. There are 10 cards. 4 of them are of green color and another 6 are of orange color. Steve picks a card at random. What is the probability of green?

2. Daisy has 5 red roses and 5 yellow roses. What is the probability of picking a red rose randomly from the bunch?

**Direction for 3-10: Complete all the problems below by determining if the events described are dependent or independent events?**

3. You have a jar with 24 pieces of chocolate candy and 14 pieces of orange candy. We take one piece of candy at random from the jar, put it back, and then take a second piece of candy at random from the jar.

4. Deni has a blue, red, and green tie. He also has a blue and green shirt. Deni chooses a random tie and shirt for work today.

5. Amy plays card games. He picks a card at random. Then without putting the first card back, he picks a second card at random.

6. Juan has 14 coins. He takes 3 of them at random, then he puts these back, and then pick 2 more coins at random.

7. Brett has \$4,700 in his bank account. He withdraws \$1,200 from his bank account to pay for rent. Brett books a vacation 3-days later that costs \$4,000. He withdraws \$3,500 from his account and goes on a payment pay for the remainder.

8. Canady has 10 handmade sheets. She takes 6 sheets at random. Then without putting these sheets back, she picks 2 sheets at random.

9. Jeff has 3 children. His first 2 children are boys. His last child is a girl.

10. A tree which has 4 red flowers and 2 blue flowers. Brandy plucks 1 flower from the tree. After some time her sister plucks a flower from the same tree.

