

Solve the problems below using your knowledge of probability. Write fractions in lowest terms.

1. What is the probability of choosing a king from a standard deck of playing cards?
2. What is the probability of choosing a green marble from a jar containing 5 red, 6 green and 4 blue marbles?
3. What is the probability of choosing a marble that is not blue in problem 2?
4. What is the probability of getting an odd number when rolling a single 6-sided die?
5. What is the probability of choosing a jack or a queen from a standard deck of 52 playing cards?
6. What is the probability of landing on an odd number after spinning a spinner with 7 equal sectors numbered 1 through 7?
7. What is the probability of getting a 7 after rolling a single die numbered 1 to 6?
8. What is the probability of choosing a queen, a king or an ace from a standard deck of playing cards?
9. What is the probability of choosing the letter i from the word probability?
10. What is the sample space for choosing a letter from the word probability?

Name: \_\_\_\_\_ Date: \_\_\_\_\_

### Independent Events

1. A single 6-sided die is rolled. What is the probability of rolling a 2 or 5? \_\_\_\_\_
2. A spinner has 4 equal sectors colored yellow, blue, green, and red. What is the probability of landing on red or blue after spinning the spinner? \_\_\_\_\_
3. A glass jar contains 1 red, 3 green, 2 blue, and 4 yellow marbles. If a single marble is chosen at random from the jar, what is the probability that it is yellow or green? \_\_\_\_\_
4. A single card is chosen at random from a standard deck of 52 playing cards. What is the probability of choosing a king or a black card? \_\_\_\_\_
5. A day of the week is chosen at random. What is the probability of choosing a Monday or Tuesday? \_\_\_\_\_