

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

1. What is the probability of choosing an ace from a standard deck of playing cards?
2. What is the probability of choosing a red 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 green in problem 2?
4. What is the probability of getting an even number when rolling a single 6-sided die?
5. What is the probability of choosing a queen or a king from a standard deck of 52 playing cards?
6. What is the probability of landing on an odd number after spinning a spinner with 9 equal sectors numbered 1 through 9?
7. What is the probability of getting a 0 after rolling a single die numbered 1 to 6?
8. What is the probability of choosing a picture card (jack, queen or king) from a standard deck of playing cards?
9. What is the probability of choosing the letter a from the word mathematics?
10. What is the sample space for choosing a letter from the word mathematics?