

**GRADE 12 ESSENTIAL
UNIT I - PROBABILITY
PRACTICE**

Name: _____

Date: _____

Solve the problems below using your knowledge of probability.

Use fractions in lowest terms.

Show Work

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 (face card; jack, queen or king) from a standard deck of playing cards?

9. What is the probability of choosing the letter **m** from the word mathematics?

10. Show the sample space for choosing a letter from the word mathematics?