

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? $\frac{4}{52} = \frac{1}{13}$

2. What is the probability of choosing a green marble from a jar containing 5 red, 6 green and 4 blue marbles?

$$\frac{6}{15} = \frac{2}{5}$$

3. What is the probability of choosing a marble that is not blue in problem 2?

$$\frac{11}{15}$$

4. What is the probability of getting an odd number when rolling a single 6-sided die?

$$\frac{3}{6} = \frac{1}{2}$$

5. What is the probability of choosing a jack or a queen from a standard deck of 52 playing cards

$$\frac{8}{52} = \frac{2}{13}$$

6. What is the probability of landing on an odd number after spinning a spinner with 7 equal sectors numbered 1 through 7?

$$\frac{4}{7}$$

7. What is the probability of getting a 7 after rolling a single die numbered 1 to 6?

$$\frac{0}{6} = 0$$

8. What is the probability of choosing a queen, a king or an ace from a standard deck of playing cards?

$$\frac{12}{52} = \frac{3}{13}$$

9. What is the probability of choosing the letter i from the word probability?

$$\frac{2}{9}$$

10. What is the sample space for choosing a letter from the word probability?

{p, r, o, b, a, l, i, t, y}