1. What is the set of possible outcome on a fair die?

    {   }

2. a. P(2)?   b. P(number less than 4)

   c. P(odd number)   d. P(number greater than 6)

Cards: _____ cards in a standard deck   _____ suits

            _____ cards are in each suit   _____ face cards

3. a. P(ace)?   b. P(red card)?

   c. P(heart)?   d. P(number less than 5)?

Set of Digits: {   }

4. a. P(8)?   d. P(odd digit)?

An urn contains 3 white and 4 blue marbles.

5. a. P(blue)?   b. P(red)?

English alphabet: set of vowels: {   }
            Set of consonants {   }

6. a. P(vowel)?   b. P(u)?

On a single roll of a die, what is the probability of getting a 7?

On a single roll of a die, what is the probability of getting an even number?

On a single roll of a die, what is the probability of getting a number less than 7?

7. A single fair die is rolled.

   a. P(8)?   b. P(negative number)?   c. P(whole number)?

   d. P(number less than 5)?   e. P(whole number less than 1)?

8. From a standard deck of cards, one card is drawn.

   a. P(black 2)?   b. P(red king)?   c. P(2 of spades)?

   d. P(5)?

9. A single die is rolled once.

    a. P(number greater than 2 and odd)?   b. P(number less than 4 and greater than 3)?

    c. P(number less than 5 and even)?   d. P(number less than 6 and odd)?

10. A fair die is rolled once.

    a. P(4)?   b. P(2 or 3 or 4)?

    c. P(odd number or 3)?   d. P(odd number or 2)?

11. A fair die is rolled once.

    a. P(odd or even number)?   b. P(a number that is not less than 3)?

    c. P(a number that is not 2)?   d. P(a number that is not 3 or 1)?

12. Three fair coins are tossed.
    a. P(H, H, H)?   b. P(T, T, T)?

13. A fair spinner contains equal regions numbered 1 – 8. If an arrow is spun twice, find the probability that:
    a. P(7, 7)?   b. P(it does not land on a 7 either time)

14. About how many times can you expect to turn up a head in 100 consecutive tosses of a coin?

15. An urn contains 5 red and 4 blue marbles. A marble is drawn and replaced.

    a. P(r, r)?   b. P(marbles are same color)?

    c. P(marbles are different colors)?

16. Same urn, but this time the marble is not replaced.

    a. P(r, r)?   b. P(marbles are same color)?

    c. P(marbles are different colors)?

17. If two coins are tossed, find the probability of getting two heads?