

Name: _____

Classical Probability – Probability of an Event

Exercise 1: What is the probability of choosing a vowel from the alphabet?

Exercise 2: A number from 1 to 11 is chosen at random. What is the probability of choosing an odd number?

Exercise 3: Suppose there are 10 balls in a bucket numbered as follows: 1, 1, 2, 3, 4, 4, 4, 5, 6, and 6. A single ball is randomly chosen from the bucket. What is the probability of drawing a ball with a number greater than 6?

Exercise 4: A single 6-sided die is rolled. What is the probability of each outcome? What is the probability of rolling an even number? of rolling an odd number?

Exercise 5: Suppose there are 10 balls in a bucket numbered as follows: 1, 1, 2, 3, 4, 4, 4, 5, 6, and 6. A single ball is randomly chosen from the bucket. What is the probability of drawing a ball with a number less than 7?

Exercise 6: A spinner has 4 equal sectors colored yellow, blue, green and red. After spinning the spinner, what is the probability of landing on each color?

Exercise 7: Choose a number at random from 1 to 5. What is the probability of each outcome? What is the probability that the number chosen is even? What is the probability that the number chosen is odd?

Exercise 8: At a Middle School, 7 out of 10 students make honor roll. What is the probability that a student does not make honor roll?

Exercise 9: Suppose there are 10 balls in a bucket numbered as follows: 1, 1, 2, 3, 4, 4, 4, 5, 6, and 6. A single ball is randomly chosen from the bucket. What is the probability of drawing a ball numbered 1?

Exercise 10: A large basket of fruits contains 8 oranges, 12 apples and 8 bananas. If a piece of fruit is chosen at random, what is the probability of getting an orange? A banana?