

Math 101 - Worksheet for Section 10.1

Name: _____

1. List results of tossing a coin. How many outcomes?
2. List results of rolling a six-sided die. How many outcomes?
3. List results of drawing a card from a standard deck of cards. Alright, list only a few of them. How many outcomes?
4. List results of tossing two coins (a dime and a penny). Draw a table, then list outcomes. How many outcomes?
5. List results of rolling two dice (a green one and a red one). Draw a table, then list outcomes. How many outcomes?
6. List a few results of drawing two cards from a deck without replacement. Draw part of a table then list them. How many outcomes?
7. List results of tossing three coins (a dime, a nickle, and a penny). Draw a tree, then list outcomes. How many outcomes?

8. You are planning a 3-day trip to Seattle, WA. Assuming each day is going to be rainy (R) or sunny (S), list the results of possible weather conditions for those three days. Draw a tree, then list them all. How many outcomes?

9. How many 4-digit numbers are there if each digit is 1,2, 3, or 4?

(a) repeated digits are allowed.

(b) repeated digits are not allowed.

(c) repeated digits are allowed and no two odd digits can be next to each other.

(d) repeated digits are not allowed and no two odd digits can be next to each other.