

Probability

3.1 Sample Spaces and Tree Diagrams

1. List the possible outcomes when randomly selecting two poker chips from a box containing 2 red chips, 2 green chips, and 2 blue chips.
2. List the sample space for the outcomes when taking three free throws during a basketball game.

Answers:

1. RR, RG, RB, GR, GG, GB, BR, BG, BB

2. Point, Point, Point
Point, Point, Miss
Point, Miss, Point
Point, Miss, Miss
Miss, Point, Point
Miss, Point, Miss
Miss, Miss, Point
Miss, Miss, Miss