

Exercises for Sections 1.3.

1. Let the experiment be the toss of four coins in a row. Let X be the number of coins that turn out heads. Find the pmf (probability mass function) of X .
2. Let the experiment be the toss of five coins in a row. Let X be the number of coins that turn out heads. Find $P(X = 2)$ and $P(X \leq 2)$.
3. Let the experiment be the toss of two dice in a row. Let X be the sum of the outcomes of the two dice. Find the pmf (probability mass function) of X .
4. Let the experiment be the toss of three dice in a row. Let X be the sum of the outcomes of the three dice. Find $P(X = 5)$.