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Exercise 7

1. Polling a die and having a number greater than 5

P(x>5) = { (only one of six numbers is greater than 5

2. P(x=6) = P(x>5) = 6

3. Selecting a card from a standard pack that is R

P(X 1s Red) = 26 = 1

half of 52 cards are red

4. Selecting an Ace

P(x is an Ace) = $\frac{4}{52} = \frac{1}{13}$

y aces in a deck of cards

5. Flipping a (fair) coin + getting heads $P(x=heads) = \pm$