

2. A bowl contains 20 raffle tickets, including 1 winning ticket. You take 1 ticket from the bowl. Your friend then takes 1 ticket from the bowl. What are the chances that both you and your friend picked losing tickets?

The probability of both of you picking losing tickets is _____.

3. A box holds 5 electronic games. Two of the games are defective. You take 1 game from the box. Without replacing it, you choose another game from the box. How likely is it that you picked 2 defective games?

There is a $\frac{1}{10}$ probability that both games are defective.

4. A set of 12 cards contains an equal number of clubs, diamonds, hearts, and spades. You take 3 cards in a row from the set without replacing them. What are the chances that all three are spades?

The probability of 3 spades is $\frac{1}{220}$.

1. rolling two dice that are numbered 1-6

36

- flipping a coin and rolling a die numbered 1-6

12

2. spinning a 4-part spinner and flipping a coin

8

- pulling a card from a full deck and flipping a coin

104

3. spinning a 6-part spinner and rolling a die numbered 1-6

36

- flipping a coin and rolling two dice numbered 1-6

72

4. spinning a 4-part spinner and pulling a card from a full deck

208

- flipping 2 coins and rolling 2 dice numbered 1-6

144