

1. A spinner has 3 numbers on it: 0, 1, 2. If you spin twice and sum the values, find the probability that a sum of 4 is spun before a sum of 1.

2. The 3 Strikes Game on The Price is Right has 5 tiles with the digits from the price of a car and 3 tiles with X 's (strikes) in a bag. If you draw out 3 strikes before determining the price of the car, you lose. Find the probability that the 4th draw from the bag results in the 3rd (and final) strike.

3. One urn contains 2 black balls and 1 white ball. A second urn contains 1 black ball and 3 white balls.

If one ball is randomly taken from the second urn and placed in the first urn, find the probability that a white ball is then drawn from the first urn.