How Much Do You Think You Would Get?

A small box contains two American bills. The bills are either a fifty-dollar bill and a hundred dollar bill, both fifties, or both hundreds. You pick out one bill and it is a hundred dollar bill. You put the bill back into the box and shake the box to mix the bills. You then pick out one bill once again without looking at the bills. What is the probability that the second drawing will result in it being a hundred dollar bill? You can’t look inside of the box.

Make sure you include the answer and an explanation as to how you determined the correct response. Show any mathematical calculations you used to figure out the answer. Did you know that the Macintosh computer was introduced in ads during the 1984 Super Bowl?

Dr. Fraccaro