Problem of the Week

Problem A

T-Shirts

A shipment of 100 shirts was received at “Shirts R Us” in a large fabric bag. Vera, the store owner, knew that she ordered four different colours of shirts. She ordered 40 red shirts and half as many yellow shirts. She ordered 30 blue shirts, but could not remember the number of green shirts she ordered. For each colour, she ordered half of the shirts long-sleeved and the other half short-sleeved. Vera pulls shirts out of the bag one at a time.

A) What is the probability that she will pull out a red shirt from the bag first?

B) What is the probability that she will pull out a green shirt from the bag first?

C) What is the probability that she will pull out a short-sleeved blue shirt from the bag first?