

Probability that she drew red ball for her second ball is the sum of those events, so.

P(Second ballies red) - 5x4x3 +2 \$ 10x5x4 } + 10x9x5
- 15x14x13 + 2 \$ 15x14x13 } + 15x14x13 - 60 15x14x13 + 450 15x14x13 + 15x14x13. = .0.33333 = 1