

4 Independent/Dependent Event Scenarios

EVENT

Replacing

NOT Replacing

2 Spades:

$$\begin{array}{cc} \mathbf{A} & \mathbf{B} \\ \frac{13}{52} & \cdot \frac{13}{52} = \mathbf{6.25\%} \end{array}$$

$$\begin{array}{cc} \mathbf{A} & \mathbf{B} \\ \frac{13}{52} & \cdot \frac{12}{51} = \mathbf{5.88\%} \end{array}$$

Spade and Heart:

$$\begin{array}{cc} \mathbf{A} & \mathbf{B} \\ \frac{13}{52} & \cdot \frac{13}{52} = \mathbf{6.25\%} \end{array}$$

$$\begin{array}{cc} \mathbf{A} & \mathbf{B} \\ \frac{13}{52} & \cdot \frac{13}{51} = \mathbf{6.37\%} \end{array}$$