



10 cards •  $P(2R \text{ in } 3 \text{ eards}) = \frac{\binom{4}{2}\binom{k}{1}}{\binom{10}{3}} = P(\chi \text{ Red } 3 \text{ in } 3 \text{ cards}) = \frac{\binom{4}{2}\binom{k}{1}}{\binom{10}{3}}$ 6 Blue.

•  $P(\chi R \text{ in } n \text{ cards}) = \frac{\binom{k}{1}\binom{10-k}{101}}{\binom{10}{101}}$ •  $P(\chi R \text{ in } n \text{ cards}) = \frac{\binom{k}{101}\binom{10-k}{101}}{\binom{100}{1001}}$ Nearly (n)

Kred

(P(g R in n cards) =  $\binom{k}{x}\binom{N-k}{n-k}$ (N)

Kblue

(N) N Kblue