Let B denote the event that J, Q, K appears when we draw one card from 52 card deck.

A denote that J or Q appears.

$$P(A|B) = \frac{P(A \cap B)}{P(B)} = \frac{8/52}{12/52} = \frac{8}{12} = \frac{2}{3}$$

Another view:

View B as the new sample space. $\{\underline{J, Q}, K\}$

$$P(A|B) = \frac{2}{3}.$$