

You may have thought that the number of possible outcomes in the sample space is $2 + 6$, but it is not. Instead, use the Fundamental Counting Principle to find the size of the sample space. There are two possible outcomes in the event space: $\{T1, T2\}$. Divide the size of the event space by the size of the sample space to find the probability. The correct answer is $\frac{1}{6}$.