

You may have chosen this answer because the number 10 appears in the question. The probability is found by dividing the size of the event space by the size of the sample space. The event space is the set of all pairs that sum to less than 10, such as (4, 2). The sample space would be all possible rolls, or every possible pair from (1, 1) to (6, 6). The correct answer is $\frac{5}{6}$.