
For each of the following problems circle T if the given statement is always true and F if the statement is sometimes false. There is no partial credit on this part of the quiz.

1. T F Roll two dice. The probability of rolling a sum of 9 is $\frac{6}{36}$.
 2. T F Flip two coins. The probability of getting two heads is $\frac{1}{2}$.
- Complete the following problems. Show all work and explain your reasoning.

3. Three fair coins are tossed.

(a) Write out the sample space.

(b) Find the probability of getting exactly two heads.

(c) Find the probability of getting no heads.

(d) Find the probability of getting at least two heads.