

Activity!

Let your sample space be all possible outcomes of a sequence of 100 coin tosses. Assign the uniform measure to this sample space.

What is the probability of the event, E , "there are exactly 50 heads"?

A. $\frac{\binom{100}{50}}{2^{100}}$

B. $\frac{1}{101}$

C. $\frac{1}{2}$

D. $\frac{1}{2^{50}}$

E. There is not enough information in this problem.

Fill out the Poll Everywhere for Kushal to
adjust his explanation

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