

Conditions

if you flip a coin 20 times approximately how many times would heads come up? and tails? Why?

Solution

This is the task, where the classic probability definition must be used.

It claims, that the probability of some event is the ratio of the number of favorable outcomes (where this event is) to the number of all outcomes.

A coin can be flipped and there are two outcomes exist –heads come up or tails come up.

Consider the event – heads come up.

Favorable outcome – heads come up (1)

All outcomes – heads come up, tails come up (2).

The probability of heads = $\frac{1}{2}$

The probability of tails = $\frac{1}{2}$

It means that the chance for heads and tails is equal. **So, for 20 times approximately 10 outcomes will be for tails and 10 for heads.**