## ODDS

Compare the likelihood of one thing happening to the likelihood of another thing happening

17 Monkeys

6 have blue eyes

Il have red eyes

randomly pick 1 monkey!

6 protability blue eyes

11 probability red eyes

Odds of picking
II a blue eyed markey
Vs. a red eyed
Monkey

50/50 <del>1</del> 60/40 <del>3</del>

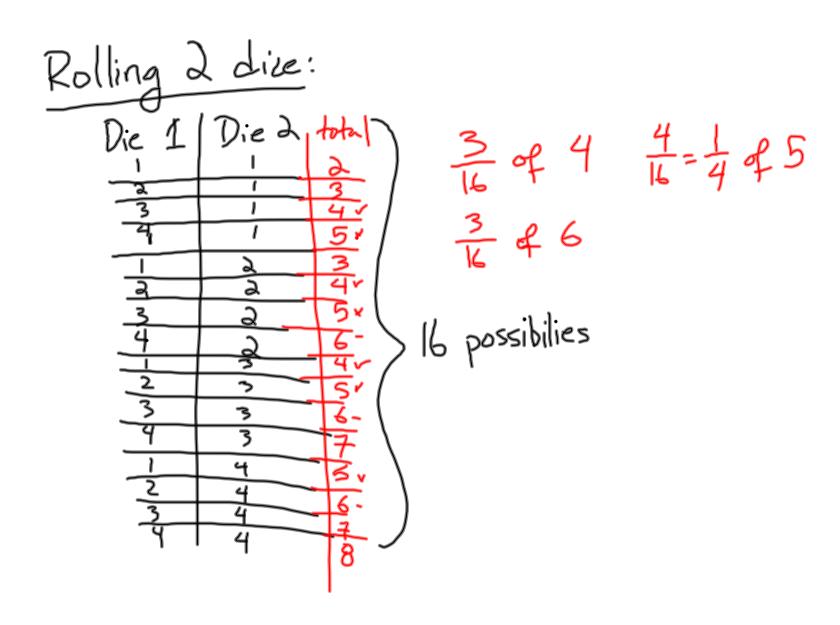
## Theoretical vs. True probabilities

12 boys > in theory, pick 10 people, 5 are boys

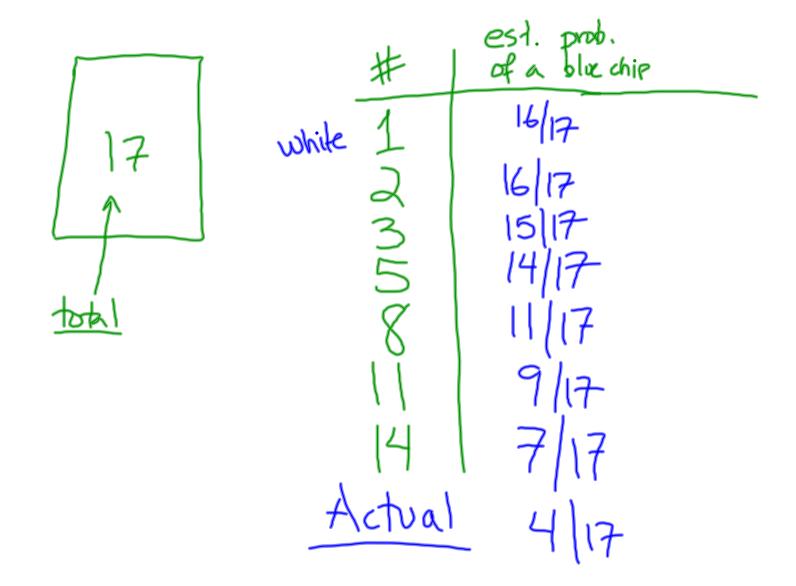
BUT that's not the only possible outcome

## POSSIBLE OUTCOMES:

All the potential scenarios in a given situation.



http://www.marilynvossavant.com/articles/gameshow.html						
まる まる	1	1-3	3		2 doors: 1 1 door: ne	
	She to s	then on the Market Mark	sks you Should	you?	ost opens monkey. you want don't switch Monkey Mankey CAR	switch CAR CAR Monkey



Homework: