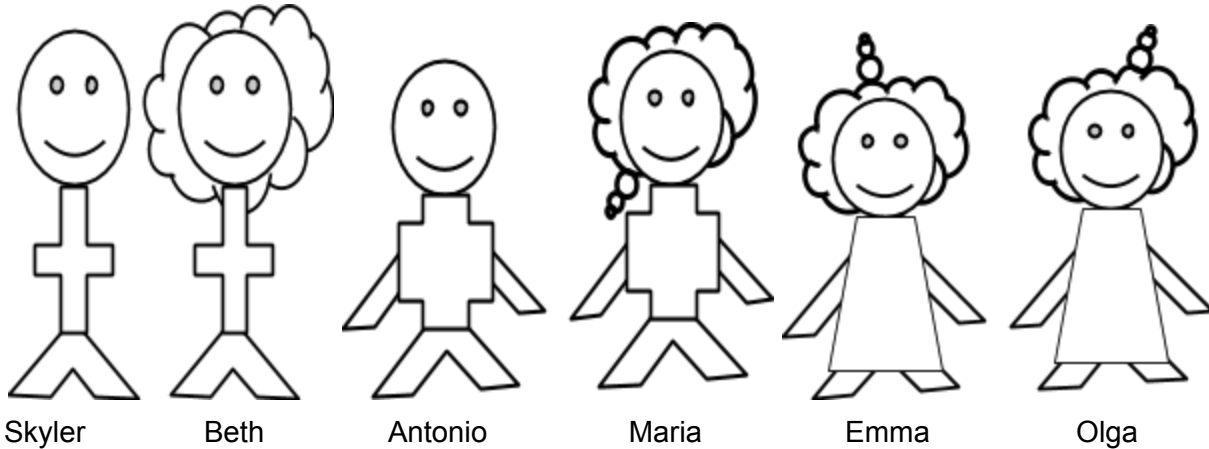


Probability of Class Presidential Elections



What are the chances a boy or girl will become president of the 7th grade class?

1. Who do you think will become our next class president a BOY or GIRL?

Circle One

Activity:

For this experiment we will be using poker chips, Red = Girls, Blue = Boys and a paper bag to mix the poker chips and someone to pick out a chip.

a. Based on the amount of girls running for president versus the amount of boys running for president. Can you make a probability as to who will win? Write, Draw, or symbolize your prediction.

Ex:

RED (girls)	BLUE (boys)

Is your probability above a theoretical probability or empirical probability? Explain your reasoning.

b. NOW, we will count the number of students in the class and randomly pull out a poker chip out of the bag (always putting the chip back after selection) as it correlates to that number.

	Red (Girls)	Blue (Boys)
Frequency	_____	_____
_____ Probability		

Is your prediction in part b, a theoretical probability or empirical probability? Explain your reasoning.

c. Finally, let's combine the rest of the group's experimental probability quantities and see if things changed? (send one group member to the board to write down their results)

	Red (Girls)	Blue (Boys)
Frequency	_____	_____
_____ Probability		

2. Based on your experiment and the combination of all experiments of the class what can you say about the **Law of Large Numbers**?
