

**Content Standards:**

-To define a binomial event and use the binomial distribution to calculate probabilities of binomial events.

**Process Standards:**

-Students will determine what information is relevant for a given situation.

**Task:**

You have learned about the Binomial Distribution. Your job is to come up with a survey or scenario in which the results could be represented by the Binomial Distribution. Display the results using a table and histogram.

***1. Describe your survey or scenario.***

***2. Why do you think your survey or scenario can be represented by the Binomial Distribution? Use characteristics of the Binomial Distribution to justify your answer.***

**3. Display the results in a table and histogram.**

<b># of Successes</b>	<b>Proportion of Successes</b>	<b>Probability</b>
0		
1		
2		
3		
4		
5		

***What is the probability that the majority of the events are successes?***