1. What is n in the tutorial? What is p? What is 1 – p, which is also sometimes expressed as q?

2. What are the possible values for the random variable X in the tutorial? List them please.

3. What is the probability of any particular ORDER of heads and tails is what? How many particular orders of heads and tails can you get?

4. When you have 2 heads out of 5 tosses, how many choices would you have for where the first H occurs?

5. How many choices would you have for where the 2"nd" head of two heads in 5 tosses of a coin occurs? Why is this number different than your number in the previous answer?

6. Page 330 of your textbook has the Binomial Probability formula. Write out this formula for all the possible values of k, substituting in the values for n and k and p that are used in the YouTube video tutorial.

URL http://www.youtube.com/watch?v=O12yTz_8EOw is not a very friendly URL, so just go to the class web page to link to this video.

http://www.cs.uni.edu/~jacobson/stats/

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