Math Journal - Chapter 11 - Probability

11.01 Create a spinner for which the theoretical probability of a winning outcome is either 2:5, 4:6 or 3:8. {5 is 72.5^o ; 6 is 60^o and 8 is 45^o}

11.02 Conduct an experiment in which you toss a coin 20 times. Record your results and find your experimental probability for tossing heads. Compare your results with a classmate and write a paragraph to discuss why your results varied or not.

11.03 Create a table to record the outcomes for 10 coin flips. Under the table record the theoretical probability and the experimental probability. What is the probability of flipping a heads on the 11th coin toss?

11.04 Create a flow map to show the sequence of steps for creating an organized list. Use the flow map to write a "how to" paragraph that explains how to create an organized list.

11.05 If you roll a number cube six times in a row, what is the probability that you will roll the numbers 1 - 6 in order? How did you determine this probability?

11.06 A scientists needs to predict the number of albino red-tailed deer can be found throughout North America. Describe how he could possibly do this without looking at every single deer in North America.

General Scoring Rubric:

0 No Response
1 Wrong response
2 Weak response
3 Showed understanding
4 Showed understanding and cited an example
5 Showed understanding, cited examples and communicated effectively enough to enable others to understand.