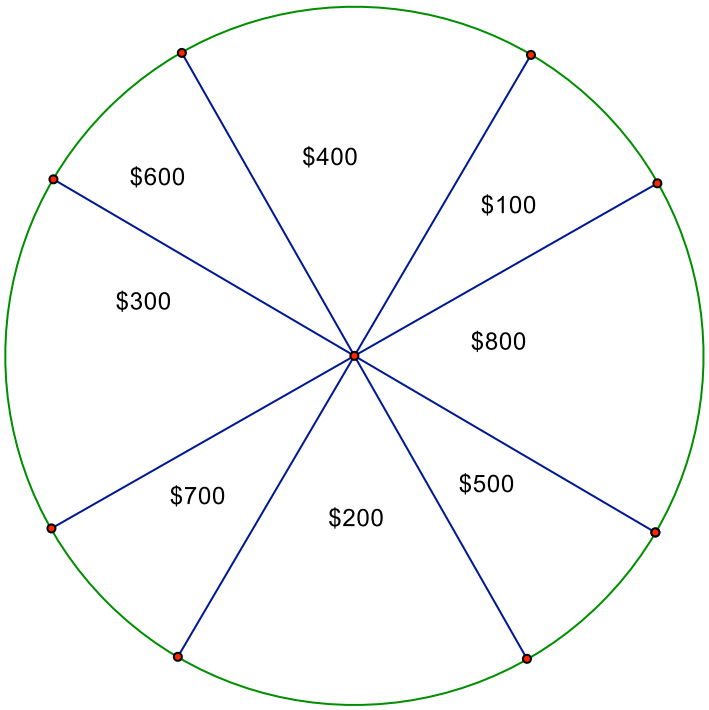
Name: _____ **Date:** _____ **Spinner Quiz**



1) What is the probability of obtaining $800 on the first spin? _____
2) What is the probability of obtaining $500 on the first spin? _____
3) Is it just as likely to land on $100 as it is on $800? _____
4) What is the probability of obtaining at least $500 on the first spin? _____
5) What is the probability of obtaining less than $200 on the first spin? _____
6) What is the probability of obtaining at most $500 on the first spin? _____

The following questions will be a little different because there are two spins involved. You may want to draw a tree diagram and label the branches with their probabilities. Since the spins should be independent of each other, you can multiply their probabilities.

7) If you spin the spinner twice, what is the probability that you will have a sum of $200?
_____
8) If you spin the spinner twice, what is the probability that you will have a sum of at most $400?
_____
9) If you spin the spinner twice, what is the probability that you will have a sum of at least $1500?
_____
10) Given that you landed on $100 on the first spin, what is the probability that the sum of your two spins will be $200? _____
11) Given that you landed on $800 on the first spin, what is the probability that the sum of your two spins will be at least $1500? _____
12) If you spin the spinner once, how much money, on average, would you expect to receive?
_____
13) If you spin the spinner twice, how much money, on average, would you expect to receive?
_____
14) If you spin the spinner 10 times, how much money, on average, would you expect to receive?
_____