Coin Toss Exploration Questions

1. Experiment with the Coin Toss activity. Input the number of tosses, run the application and record the ratio of heads to total number of tosses on this chart. Run the application at least three separate times (the more the better though) for each specified amount of tosses.

	10 tosses	500 tosses	1000 tosses
Trial 1			
Trial 2			
Trial 3			

2. What is the theoretical probability of the coin landing on heads? What is the theoretical probability of the coin landing on tails? Write this in a ratio form and explain your answer.

3. Which number of tosses (5, 500, or 1000) has the ratio that is the most similar to the theoretical probability ratio? Which number of tosses has the ratio that is the most different from the theoretical probability ratio? Why do you think this is?