1. What questions can we ask regarding pennies in circulation?
2. What questions can we answer today about pennies in circulation?
3. To answer our question, collect a sample of five pennies and gather information that will help us answer our question. What does this information tell you about a possible answer to our question?
4. Collect the results from the other groups and compare them to yours. Where does your answer fit in the distribution of the class’s answers? How does this affect the confidence in the accuracy of your answer?
5. Collect a sample of 25 pennies and repeat the process you carried out in question 3 above.
6. Collect the results from the other groups and compare them to yours. Where does your answer fit in the distribution of the class’s answers? How does this affect the confidence in the accuracy of your answer?
7. Based on all the evidence you have collected, what is the final answer to your question? Use words, pictures, and/or symbols to demonstrate the statistical reasoning you are using to support your answer.