

## A.2 Activity 2 Worksheet (Comparing Plain and Almond KISSES)

*This worksheet accompanies the article found at <http://www.amstat.org/publications/jse/v10n3/haller.html>*

Question: Will different types of HERSHEY'S KISSES land on their base approximately the same percent of the time?

Compare one plain and one almond KISS. Note the differences in the candies. Based on your examination and what you already know about the plain candies, make an estimate as to the percent of the time an almond candy will land on its base.

estimate = \_\_\_\_\_

How confident are you in this estimate?

The purpose of this activity is to help us compare the percent of the time each of the candies will land on their base when spilled from a cup.

The investigation is as follows:

- Place **all 20** candies in the cup.
- Gently shake the cup twice to help mix up the candies and spill all 20 of the candies onto the table.
- Count the number of plain and the number of almond candies that landed on their bases. Record this information in the table below.
- Return the candies to the cup and repeat until you have spilled the candies 10 times.

Find the total number of each candy that landed on their base.

Toss Number	Number of <b>Plain</b> KISSES (silver) Landing on Base	Number of <b>Almond</b> KISSES (gold) Landing on Base
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
Total		

## Class Data

Plain

Almond

## Back-to-Back Stemplot

Plain

	0	
	1	
	2	
	3	
	4	
	5	

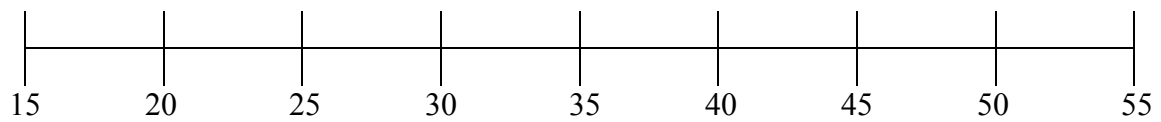
Almond

## Five-Number Summary

	Plain	Almond
Minimum		
Quartile 1		
Median		
Quartile 3		
Maximum		

## Boxplots

Plain



Almond