

## Chapter 10 FRAPPY!

*Directions: Show all your work. Indicate clearly the methods you use, because you will be scored on the correctness of your methods as well as on the accuracy and completeness of your results and explanations.*

Will using name-brand microwave popcorn result in a greater percentage of popped kernels than using store-brand microwave popcorn? To find out, Briana and Maggie randomly selected 10 bags of name-brand microwave popcorn and 10 bags of store-brand microwave popcorn. The chosen bags were arranged in a random order. Then each bag was popped for 3.5 minutes, and the percentage of popped kernels was calculated. The results are displayed in the following table.

Name-brand	95	88	84	94	81	90	97	93	91	86
Store-brand	91	89	82	82	77	78	84	86	86	90

Do the data provide convincing evidence that using name-brand microwave popcorn will result in a greater mean percentage of popped kernels?