Practice Problems:

Problem 14.1:

A random sample of tenth-grade boys resulted in the following 20 observed weights.

142	134	98	119	131
103	154	122	93	137
86	119	161	144	158
165	81	117	128	103

Test the hypothesis that the median weight is 104 at $\alpha = 0.15$.

Problem 14.2:

Twenty customers in a grocery store were asked to taste each of two types of cheese and declare their preference. Eight customers preferred one kind, 12 preferred the other kind. Does this indicate a significant difference in preference? Test at $\alpha = 0.10$.