Comparing Reading Test Scores for Students Taught by Two Different Methods

We are comparing a new method of teaching reading to the current standard method. Our comparison is based on the results of a reading test given at the end of a learning period. Of a random sample of 22 learners, 10 were taught by the new method and 12 were taught by the standard method. All 22 learners were taught by qualified instructors under similar conditions. The results of the reading test are given in Figure 1 below. A box plot of the data is shown in Figure 2.

	C1	C2-T	C3	C4
→	Test Score	Method	NewScore	StandardScore
1	80	new	80	79
2	76	new	76	73
3	70	new	70	72
4	80	new	80	62
5	66	new	66	76
6	85	new	85	68
7	79	new	79	70
8	71	new	71	86
9	81	new	81	75
10	76	new	76	68
11	79	standard		73
12	73	standard		66
13	72	standard		
14	62	standard		
15	76	standard		
16	68	standard		
17	70	standard		
18	86	standard		
19	75	standard		
20	68	standard		
21	73	standard		
22	66	standard		
23				

Figure 1
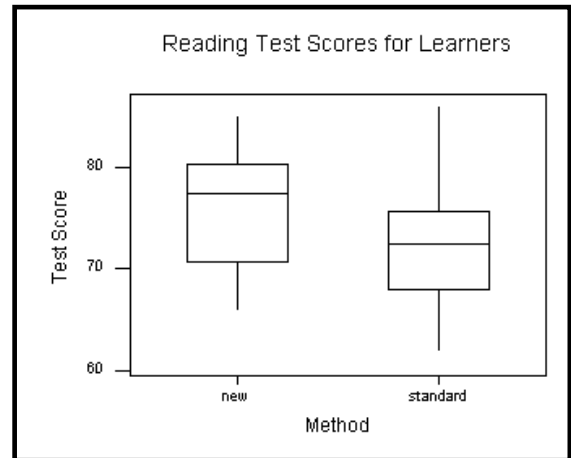
Figure 2

Descriptive Statistics Produced by Minitab

Variable	N	Mean	Median	TrMean	StDev	SE Mean
NewScore	10	76.40	77.50	76.63	5.83	1.85
Standard	12	72.33	72.50	72.00	6.34	1.83

Variable	Minimum	Maximum	Q1	Q3
NewScore	66.00	85.00	70.75	80.25
Standard	62.00	86.00	68.00	75.75