

Descriptive Statistics					
	N	Minimum	Maximum	Mean	Std. Deviation
Pre-Test	36	25	100	55.69	18.300
Post-Test	36	33	100	78.11	15.932
Valid N (listwise)	36				

Tests of Normality						
	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Pre-Test	.101	36	.200 [±]	.960	36	.220
Post-Test	.156	36	.027	.036	36	.083

[±]. This is a lower bound of the true significance.

^a. Lilliefors Significance Correction

Hypothesis Test Summary				
	Null Hypothesis	Test	Sig.	Decision
1	The median of differences between Pre-Test and Post-Test equals 0.	Related-Samples Wilcoxon Signed Rank Test	.000	Reject the null hypothesis.

Asymptotic significances are displayed. The significance level is .05.

Ranks				
		N	Mean Rank	Sum of Ranks
Post-Test – Pre-Test	Negative Ranks	4 ^a	3.75	15.00
	Positive Ranks	30 ^b	19.33	580.00
	Ties	2 ^c		
	Total	36		

a. Post-Test < Pre-Test

b. Post-Test > Pre-Test

c. Post-Test = Pre-Test

Test Statistics ^a	
	Post-Test – Pre-Test
Z	-4.832 ^b
Asymp. Sig. (2-tailed)	.000

a. Wilcoxon Signed Ranks Test

b. Based on negative ranks

Effect Size (r) Interpretation

0.805 Large Effect