

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Pre-Test	71.9333	30	3.81407	.69635
	Post-Test	88.7000	30	6.25410	1.14184

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Pre-Test	.230	30	.000	.926	30	.039
Post-Test	.201	30	.003	.921	30	.028

a. Lilliefors Significance Correction

Ranks

		N	Mean Rank	Sum of Ranks
Post-test – Pre-Test	Negative Ranks	0 ^a	.00	.00
	Positive Ranks	30 ^b	15.50	465.00
	Ties	0 ^c		
	Total	30		

a. Post-Test < Pre-Test

b. Post-Test > Pre-Test

c. Post-Test = Pre-Test

Test Statistics^a

	Post-Test – Pre-Test
Z	-4.786 ^b
Asymp. Sig. (2-tailed)	.000

a. Wilcoxon Signed Ranks Test

b. Based on negative ranks.