Student	Pre-test	Post-test
1	1	8
2	1	17
3	0	1
4	0	4
5	0	5
6	0	11
7	0	18
8	0	1
9	0	3
10	0	3
11	0	3

Comparing Means [Paired two-sample t-test]

Descriptive Statistics

VAR	Sample size	Mean	Variance
	11	0.18182	0.16364
	11	6.72727	37.01818

Summary

Degrees Of Freedom	10	*Hypothesized Mean Difference*	0.E+0
Test Statistics	3.67615	*Pooled Variance*	18.59091

Two-tailed distribution

p-level	0.00427	*t Critical Value (5%)*	2.22814

One-tailed distribution

p-level	0.00214	*t Critical Value (5%)*	1.81246
Pearson Correlation Coefficient	0.4691		

G-criterion

Test Statistics	0.72727	*p-level*	0.E+0
Critical Value (5%)	0.3		

Pagurova criterion

Test Statistics	3.56017	*p-level*	0.99487
Ratio of variances parameter	0.0044	*Critical Value (5%)*	0.0257