

APPENDIX 8 Descriptive Statistics of Pretest and Posttest Result

Pretest

Statistics

Pretest Scores

N	Valid	34
	Missing	0
Mean		57.6471
Median		60.0000
Mode		60.00
Std. Deviation		9.60392
Variance		92.235
Range		44.00
Minimum		36.00
Maximum		80.00
Sum		1960.00

Pretest Scores

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	36.00	1	2.9	2.9	2.9
	40.00	1	2.9	2.9	5.9
	44.00	1	2.9	2.9	8.8
	48.00	4	11.8	11.8	20.6
	52.00	4	11.8	11.8	32.4
	56.00	4	11.8	11.8	44.1
	60.00	12	35.3	35.3	79.4
	64.00	2	5.9	5.9	85.3
	68.00	2	5.9	5.9	91.2
	72.00	1	2.9	2.9	94.1
	80.00	2	5.9	5.9	100.0
	Total	34	100.0	100.0	

Posttest

Statistics

Posttest Scores

N	Valid	34
	Missing	0
Mean		72.1176
Median		72.0000
Mode		64.00
Std. Deviation		7.72154
Variance		59.622
Range		28.00
Minimum		56.00
Maximum		84.00
Sum		2452.00

Posttest Scores

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	56.00	1	2.9	2.9	2.9
	64.00	10	29.4	29.4	32.4
	68.00	4	11.8	11.8	44.1
	72.00	4	11.8	11.8	55.9
	76.00	4	11.8	11.8	67.6
	80.00	8	23.5	23.5	91.2
	84.00	3	8.8	8.8	100.0
	Total	34	100.0	100.0	