

Appendix 9

Students' Gains between Pretest and Post Test

| No. | Name | Pretest Score | Post Test Score | Gain | (Gain) ² |
|--------------|------|---------------|-----------------|--------------|---------------------|
| 1 | A | 47 | 63 | 16 | 256 |
| 2 | B | 20 | 47 | 27 | 729 |
| 3 | C | 53 | 67 | 14 | 196 |
| 4 | D | 50 | 67 | 17 | 289 |
| 5 | E | 70 | 83 | 13 | 169 |
| 6 | F | 60 | 77 | 17 | 289 |
| 7 | G | 83 | 100 | 17 | 289 |
| 8 | H | 20 | 43 | 23 | 529 |
| 9 | I | 43 | 57 | 14 | 196 |
| 10 | J | 77 | 87 | 10 | 100 |
| 11 | K | 33 | 57 | 24 | 576 |
| 12 | L | 53 | 67 | 14 | 196 |
| 13 | M | 33 | 60 | 27 | 729 |
| 14 | N | 37 | 60 | 23 | 529 |
| 15 | O | 37 | 57 | 20 | 400 |
| 16 | P | 80 | 93 | 13 | 169 |
| 17 | Q | 77 | 90 | 13 | 169 |
| 18 | R | 20 | 43 | 23 | 529 |
| 19 | S | 77 | 93 | 16 | 256 |
| 20 | T | 33 | 53 | 20 | 400 |
| 21 | U | 60 | 80 | 20 | 400 |
| 22 | V | 67 | 83 | 16 | 256 |
| 23 | W | 57 | 73 | 16 | 256 |
| 24 | X | 20 | 47 | 27 | 729 |
| 25 | Y | 20 | 43 | 23 | 529 |
| 26 | Z | 30 | 60 | 30 | 900 |
| 27 | AA | 57 | 73 | 16 | 256 |
| 28 | BB | 43 | 67 | 24 | 576 |
| 29 | CC | 47 | 63 | 16 | 256 |
| 30 | DD | 60 | 77 | 17 | 289 |
| 31 | EE | 73 | 93 | 20 | 400 |
| Total | | 1537 | 2123 | 586 | 11842 |
| Mean | | 49.58 | 68.48 | 18.90 | 382 |

