# Student Growth Percentile Goodness−of−Fit Descriptives
## 2010 Summative Hs Mathematics, Grade Progression 101−102 (N = 1,323)

### Student Growth Percentile Range

| Prior Scale Score Decile/Range* | 1 to 9 | 10 to 19 | 20 to 29 | 30 to 39 | 40 to 49 | 50 to 59 | 60 to 69 | 70 to 79 | 80 to 89 | 90 to 99 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1st/[163,253) | 10.83 | 10.00 | 11.67 | 10.83 | 8.33 | 10.00 | 9.17 | 9.17 | 9.17 | 10.83 | (9.1%) |
| 2nd/[253,287) | 9.72 | 9.72 | 6.94 | 12.50 | 9.03 | 9.03 | 11.81 | 10.42 | 11.11 | 9.72 | (10.9%) |
| 3rd/[287,308) | 12.00 | 11.20 | 8.00 | 11.20 | 10.40 | 9.60 | 8.80 | 12.00 | 7.20 | 9.60 | (9.4%) |
| 4th/[308,326) | 4.95 | 8.91 | 12.87 | 3.96 | 9.90 | 14.85 | 10.89 | 8.91 | 11.88 | 12.87 | (7.6%) |
| 5th/[326,347) | 9.79 | 9.09 | 16.08 | 11.89 | 12.59 | 4.90 | 13.99 | 6.29 | 6.99 | 8.39 | (10.8%) |
| 6th/[347,364) | 10.79 | 11.51 | 7.19 | 10.07 | 9.35 | 12.95 | 3.60 | 15.83 | 10.79 | 7.91 | (10.5%) |
| 7th/[364,387) | 12.34 | 9.74 | 6.49 | 7.79 | 12.99 | 7.79 | 10.39 | 8.44 | 11.04 | 12.99 | (11.6%) |
| 8th/[387,409) | 9.71 | 9.71 | 7.77 | 12.62 | 6.80 | 11.65 | 11.65 | 8.74 | 10.68 | 10.68 | (7.8%) |
| 9th/[409,459) | 6.45 | 10.97 | 15.48 | 9.68 | 10.32 | 11.61 | 5.81 | 10.32 | 9.03 | 10.32 | (11.7%) |
| 10th/[459,600] | 12.95 | 9.35 | 9.35 | 8.63 | 10.07 | 8.63 | 12.95 | 16.55 | 4.32 | 7.19 | (10.5%) |

*Prior score deciles can be uneven depending upon the prior score distribution

### QQ−Plot: Student Growth Percentiles



Theoretical SGP Distribution / Empirical SGP Distribution