Student Growth Percentile Goodness−of−Fit Descriptives
2010 General Mathematics, Grade Progression 7−8 (N = 16,528)

Student Growth Percentile Range

Prior Scale Score Decile/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/[159,245)	9.44	10.26	8.69	12.26	8.44	10.01	11.01	10.07	9.57	10.26	(9.7%)
2nd/[245,255)	11.94	7.51	9.25	11.62	10.99	10.20	11.46	8.46	8.06	10.51	(7.7%)
3rd/[255,265)	10.11	9.77	11.31	8.70	9.77	11.51	8.43	9.30	11.04	10.04	(9%)
4th/[265,274)	10.31	9.18	10.98	9.78	9.91	9.38	11.91	7.98	9.91	10.65	(9.1%)
5th/[274,287)	9.52	10.29	10.48	7.39	11.16	8.30	9.98	12.24	9.34	11.29	(13.3%)
6th/[287,300)	9.74	9.79	8.17	13.58	9.69	8.77	9.31	11.85	10.17	8.93	(11.2%)
7th/[300,312)	9.40	10.39	11.11	9.27	9.20	12.29	9.14	7.36	10.12	11.70	(9.2%)
8th/[312,328)	10.81	8.44	10.75	10.08	9.90	9.11	10.69	11.54	9.53	9.17	(10%)
9th/[328,349)	8.89	11.56	9.71	8.76	10.03	11.68	9.52	9.65	9.59	10.60	(9.5%)
10th/[349,535]	9.83	9.78	9.83	10.85	10.32	8.87	10.21	10.26	9.57	10.48	(11.3%)

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

QQ−Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution