Student Growth Percentile Goodness–of–Fit Descriptives
2009 Mathematics Baseline, Grade Progression 5–6–7–8 (N = 53,447)

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/[280,459)	5.04	6.56	7.42	9.04	9.66	10.48	11.38	12.54	13.12	14.75	(10%)
2nd/[459,493)	5.08	7.21	8.74	8.59	9.81	10.68	11.03	11.67	12.62	14.56	(9.7%)
3rd/[493,517)	5.06	7.63	8.49	8.64	9.64	10.96	11.40	11.96	12.49	13.73	(10.2%)
4th/[517,536)	5.37	7.36	8.57	9.62	9.48	10.30	11.14	11.59	12.08	14.50	(9.6%)
5th/[536,554)	5.75	7.31	8.95	9.32	9.72	11.01	10.95	11.72	11.45	13.82	(10.2%)
6th/[554,571)	6.14	8.00	8.13	9.60	10.02	11.00	10.95	11.80	12.01	12.35	(9.8%)
7th/[571,590)	6.01	8.62	8.29	10.34	10.38	11.35	11.29	11.46	11.15	11.11	(10.2%)
8th/[590,611)	7.42	8.66	10.13	10.60	10.87	11.15	11.10	10.48	9.90	9.68	(10%)
9th/[611,639)	9.57	9.96	10.26	11.71	10.35	10.83	10.28	10.31	9.34	7.39	(10.1%)
10th/[639,860]	10.51	12.74	11.97	12.23	11.97	10.51	10.25	8.66	6.79	4.37	(10.2%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution