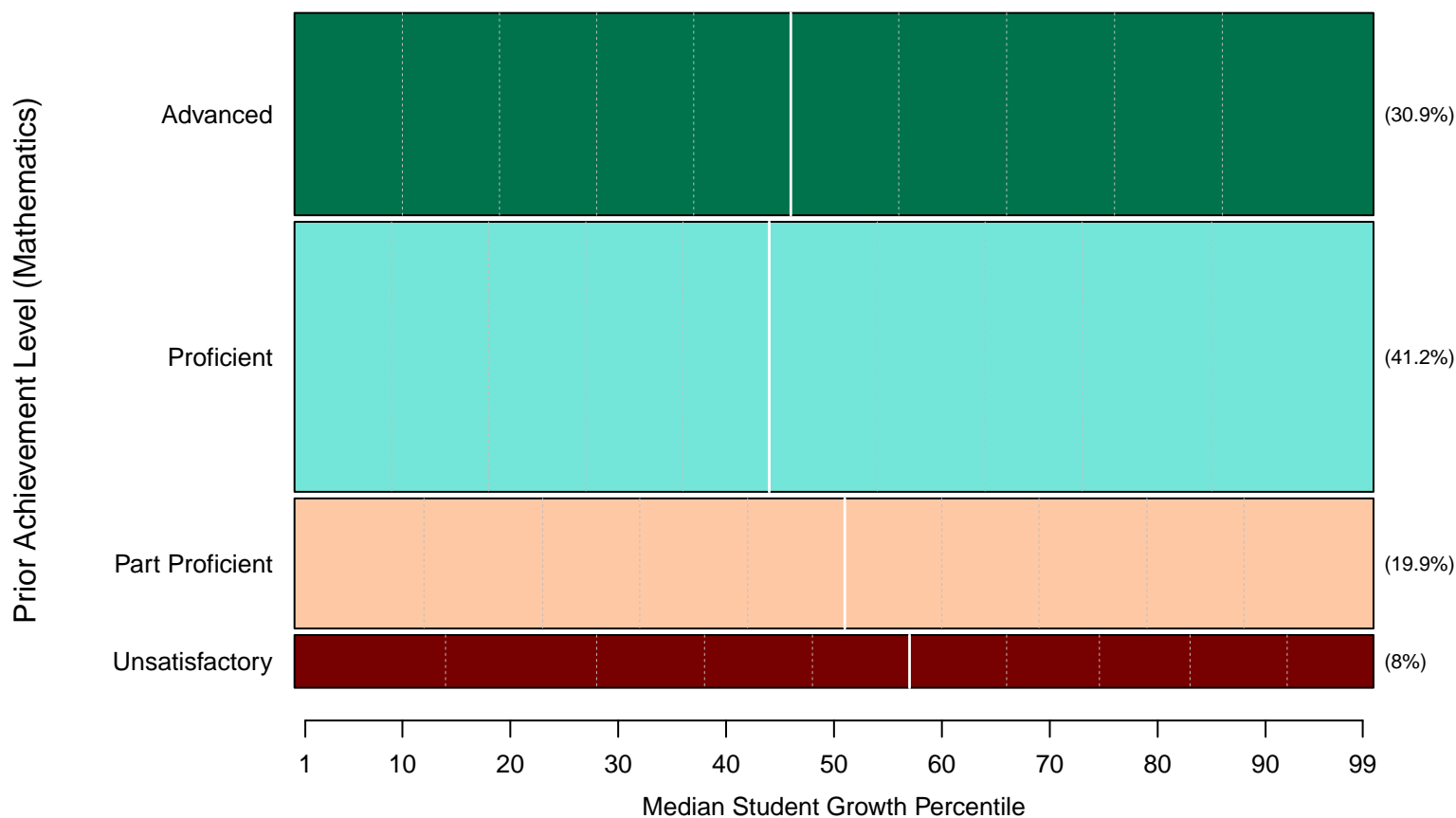# Student Growth Percentile Goodness–of–Fit Descriptives

2013 Mathematics SGP, Grade 5 (N = 59,757)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Level	Percent
Advanced	(30.9%)
Proficient	(41.2%)
Part Proficient	(19.9%)
Unsatisfactory	(8%)

Median Student Growth Percentile: 1, 10, 20, 30, 40, 50, 60, 70, 80, 90, 99

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/[180,393]	6.55	7.51	8.24	9.40	10.14	10.84	11.14	11.95	11.62	12.61	(9.8%)
2nd/[393,433]	7.69	9.39	9.93	9.34	10.46	10.78	12.43	10.31	10.71	8.96	(10%)
3rd/[433,460]	8.47	9.38	10.36	10.36	11.32	11.23	11.10	10.51	9.79	7.48	(10.1%)
4th/[460,481]	8.86	11.28	11.16	10.43	10.86	10.67	11.49	9.78	8.98	6.49	(9.6%)
5th/[481,501]	9.93	12.09	11.51	11.46	11.09	10.11	10.40	8.92	8.16	6.33	(10.1%)
6th/[501,520]	10.68	11.68	11.94	11.74	10.60	10.19	9.84	9.53	7.88	5.92	(10.2%)
7th/[520,539]	10.59	11.78	11.83	11.93	11.35	9.58	10.37	8.67	7.58	6.33	(9.7%)
8th/[539,561]	11.68	10.70	12.00	11.07	10.80	11.00	9.99	8.95	7.94	5.87	(10.1%)
9th/[561,591]	10.12	11.51	11.95	11.14	10.34	10.52	9.66	9.26	9.31	6.19	(10.1%)
10th/[591,780]	8.03	9.44	10.92	9.56	10.03	11.12	10.54	10.67	10.66	9.03	(10.2%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100

Empirical SGP Distribution: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100