Student Growth Percentile Goodness–of–Fit Descriptives
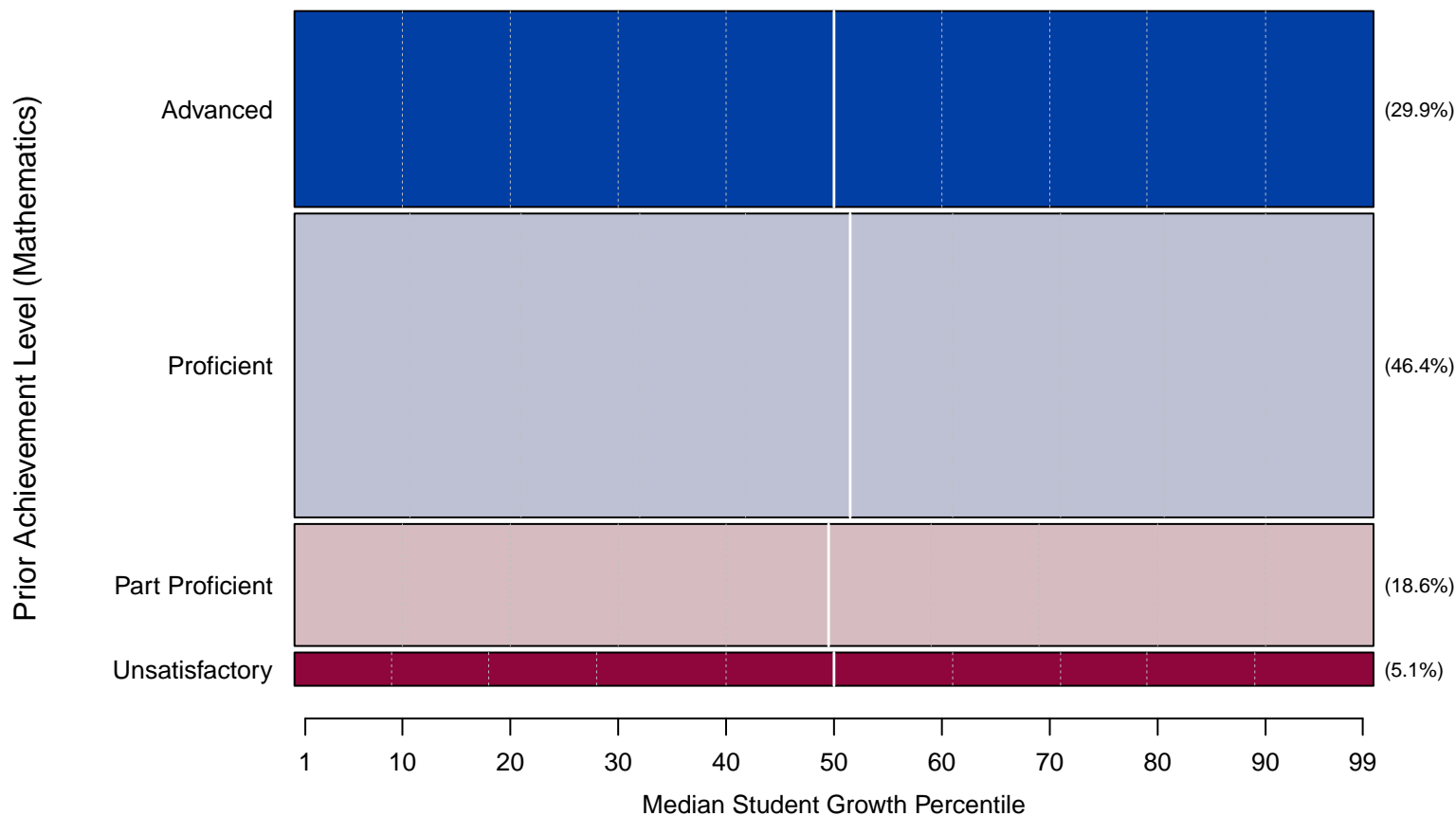## 2012–2013 Mathematics SGP, Grade 5 (N = 4,156)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Level	Percent
Advanced	(29.9%)
Proficient	(46.4%)
Part Proficient	(18.6%)
Unsatisfactory	(5.1%)

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

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/[223,411)	9.85	10.59	8.62	8.87	10.34	9.85	10.59	10.34	9.85	11.08	(9.8%)
2nd/[411,445)	9.63	9.63	10.62	10.12	9.63	12.84	9.63	9.38	10.12	8.40	(9.7%)
3rd/[445,467)	8.62	10.26	11.42	10.72	10.72	8.16	8.62	9.79	11.19	10.49	(10.3%)
4th/[467,485)	9.38	10.37	6.91	8.64	8.89	11.11	9.88	11.85	9.88	13.09	(9.7%)
5th/[485,502)	9.49	8.76	10.46	10.46	11.44	9.00	10.95	13.14	9.00	7.30	(9.9%)
6th/[502,519)	9.16	9.16	10.84	9.88	9.88	10.12	10.84	7.47	10.12	12.53	(10%)
7th/[519,537)	9.00	9.00	9.24	11.14	9.00	10.43	10.19	10.19	10.43	11.37	(10.2%)
8th/[537,558)	9.77	13.02	9.53	9.77	11.63	8.14	7.67	10.93	9.30	10.23	(10.3%)
9th/[558,588)	8.94	7.73	9.90	8.45	11.35	9.90	12.08	12.32	10.39	8.94	(10%)
10th/[588,780]	9.55	10.50	9.07	10.74	9.31	11.22	10.74	8.59	9.07	11.22	(10.1%)

*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