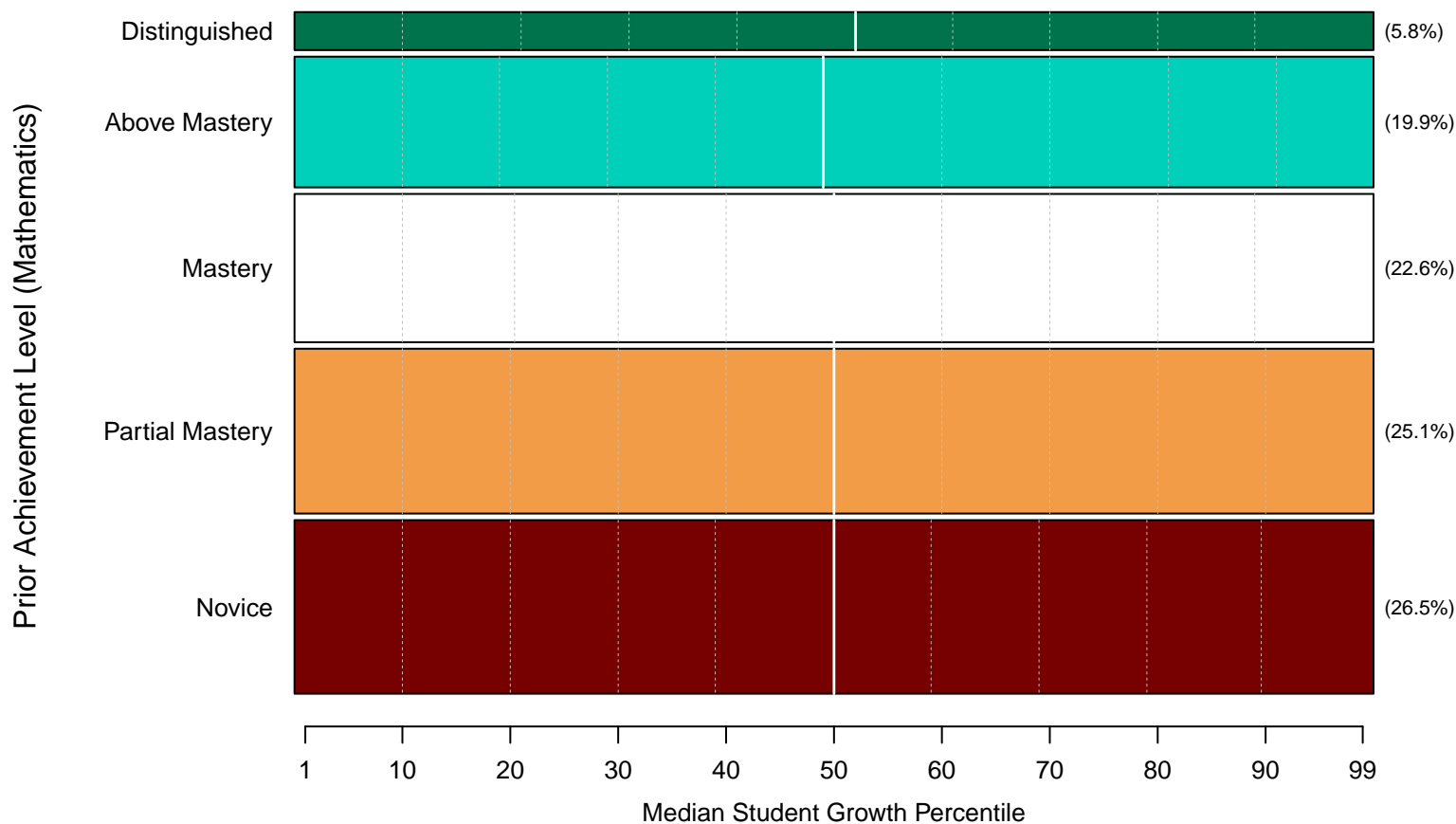# Student Growth Percentile Goodness–of–Fit Descriptives

2012–2013 Mathematics SGP, Grade 7 (N = 19,047)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Level	Percent
Distinguished	(5.8%)
Above Mastery	(19.9%)
Mastery	(22.6%)
Partial Mastery	(25.1%)
Novice	(26.5%)

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/[477,560)	10.11	10.19	9.54	10.76	9.97	9.68	10.33	9.61	9.68	10.11	(7.3%)
2nd/[560,587)	9.84	9.89	9.99	9.74	9.59	10.58	10.18	10.18	9.39	10.63	(10.5%)
3rd/[587,600)	8.86	10.86	10.62	10.13	10.13	9.95	9.59	10.19	10.50	9.16	(8.7%)
4th/[600,612)	9.71	10.19	10.09	10.09	10.30	10.35	9.23	9.02	9.18	11.85	(9.8%)
5th/[612,623)	10.52	9.90	9.69	10.47	9.12	9.49	10.63	10.63	10.58	8.97	(10.1%)
6th/[623,633)	8.59	9.86	9.50	10.42	11.33	9.91	10.21	10.21	9.04	10.92	(10.3%)
7th/[633,643)	9.29	10.35	9.13	9.57	10.52	10.29	9.63	9.46	11.69	10.07	(9.4%)
8th/[643,656)	9.33	9.47	11.72	10.14	9.60	9.47	10.28	10.05	9.06	10.87	(11.6%)
9th/[656,673)	10.19	10.38	10.28	10.38	9.95	9.43	9.06	9.43	9.53	11.37	(11.1%)
10th/[673,840]	9.64	9.54	9.30	9.69	10.02	10.21	10.73	10.16	10.97	9.73	(11%)

*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