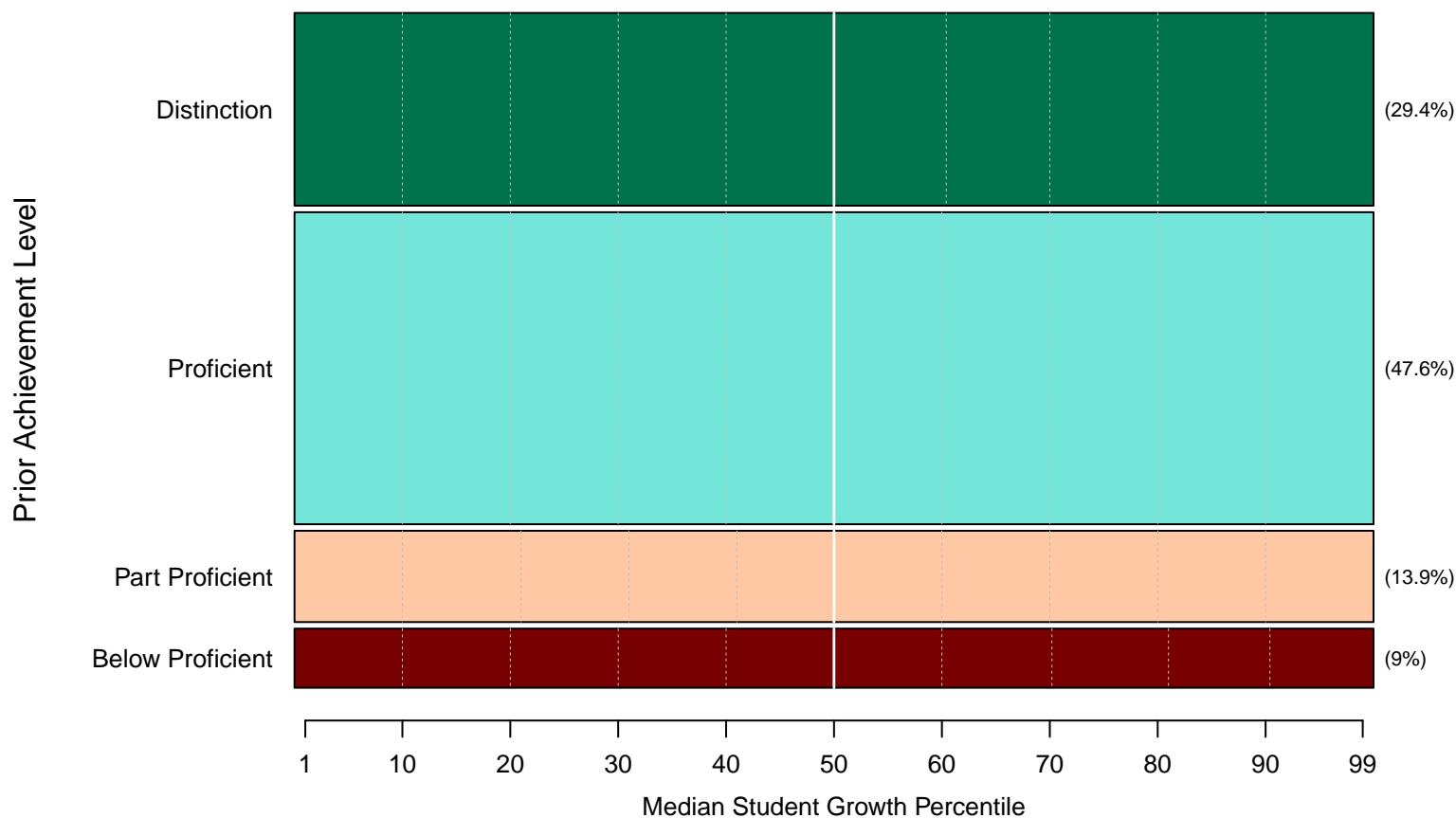# Student Growth Percentile Goodness–of–Fit Descriptives

2012–2013 Mathematics SGP, Grade 5 (N = 13,479)

SGP Deciles by Prior Achievement Level

Prior Achievement Level

- Distinction (29.4%)
- Proficient (47.6%)
- Part Proficient (13.9%)
- Below Proficient (9%)

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/[400,433)	9.81	9.36	9.96	10.40	10.10	9.66	9.96	9.73	10.85	10.18	(9.9%)
2nd/[433,439)	9.74	10.73	9.44	8.84	10.05	10.88	9.29	10.50	8.69	11.86	(9.8%)
3rd/[439,442)	8.97	9.62	10.49	10.16	10.49	8.86	10.92	9.84	11.14	9.51	(6.9%)
4th/[442,446)	9.66	9.66	10.90	10.70	9.53	10.64	10.12	9.33	9.60	9.86	(11.4%)
5th/[446,449)	9.07	10.25	8.89	9.32	9.51	10.07	9.82	10.25	11.12	11.68	(11.9%)
6th/[449,451)	9.53	8.65	10.86	9.42	10.42	9.09	10.64	11.20	10.86	9.31	(6.7%)
7th/[451,454)	10.31	10.38	9.45	9.59	12.22	9.45	9.17	9.52	8.81	11.09	(10.4%)
8th/[454,457)	10.46	10.39	9.64	9.91	9.02	10.39	10.32	10.53	8.74	10.60	(10.8%)
9th/[457,462)	8.79	8.86	10.85	11.15	8.56	10.08	9.85	9.47	11.46	10.92	(9.7%)
10th/[462,480]	9.57	10.64	9.87	9.75	10.34	9.81	10.11	10.05	9.93	9.93	(12.5%)

*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