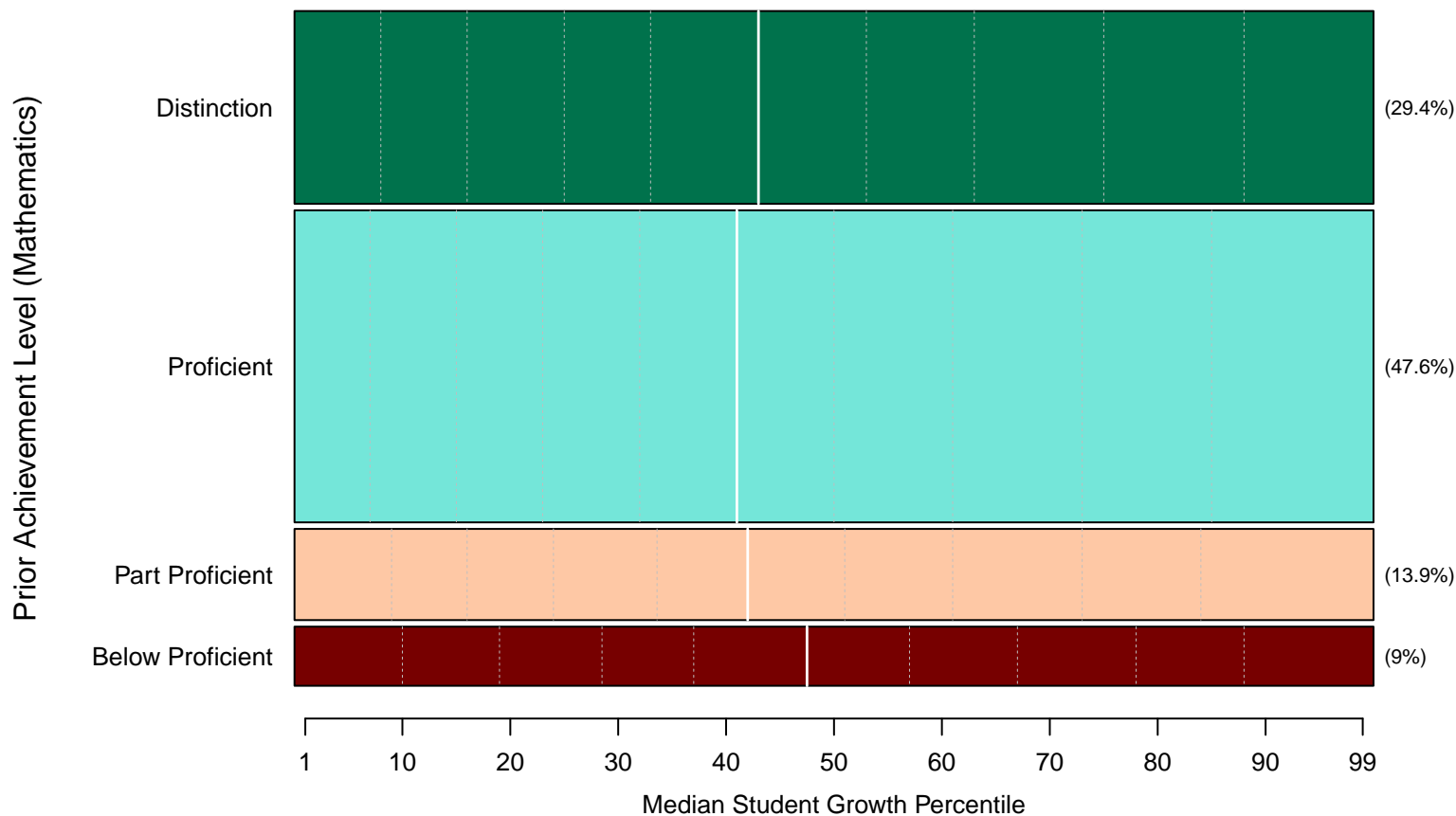# Student Growth Percentile Goodness–of–Fit Descriptives

2012–2013 Mathematics SGP, Grade 5 (N = 13,470)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics) — vertical axis; Median Student Growth Percentile — horizontal axis

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

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)	9.36	11.31	9.81	12.36	9.89	10.71	8.69	11.09	8.76	8.01	(9.9%)
2nd/[433,439)	11.42	14.30	10.21	11.65	10.36	9.76	8.93	8.17	6.96	8.25	(9.8%)
3rd/[439,442)	11.04	13.53	11.69	11.47	11.26	10.61	8.01	8.87	7.90	5.63	(6.9%)
4th/[442,446)	11.56	14.24	12.34	11.30	12.41	9.34	8.10	7.58	6.79	6.34	(11.4%)
5th/[446,449)	12.62	11.50	11.13	11.07	10.57	9.39	9.39	8.64	7.84	7.84	(11.9%)
6th/[449,451)	12.86	12.20	11.97	10.09	10.20	10.64	8.87	9.42	7.32	6.43	(6.7%)
7th/[451,454)	14.51	11.59	11.31	12.59	10.31	8.18	8.25	7.89	7.54	7.82	(10.4%)
8th/[454,457)	13.63	12.66	11.56	9.70	9.43	9.98	9.57	7.98	8.67	6.81	(10.8%)
9th/[457,462)	10.92	13.14	12.07	9.17	9.93	10.08	9.32	8.56	8.17	8.63	(9.7%)
10th/[462,480]	12.44	11.96	10.71	11.31	10.24	10.24	8.21	8.63	6.19	10.06	(12.5%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution (top axis); Empirical SGP Distribution (vertical axis)