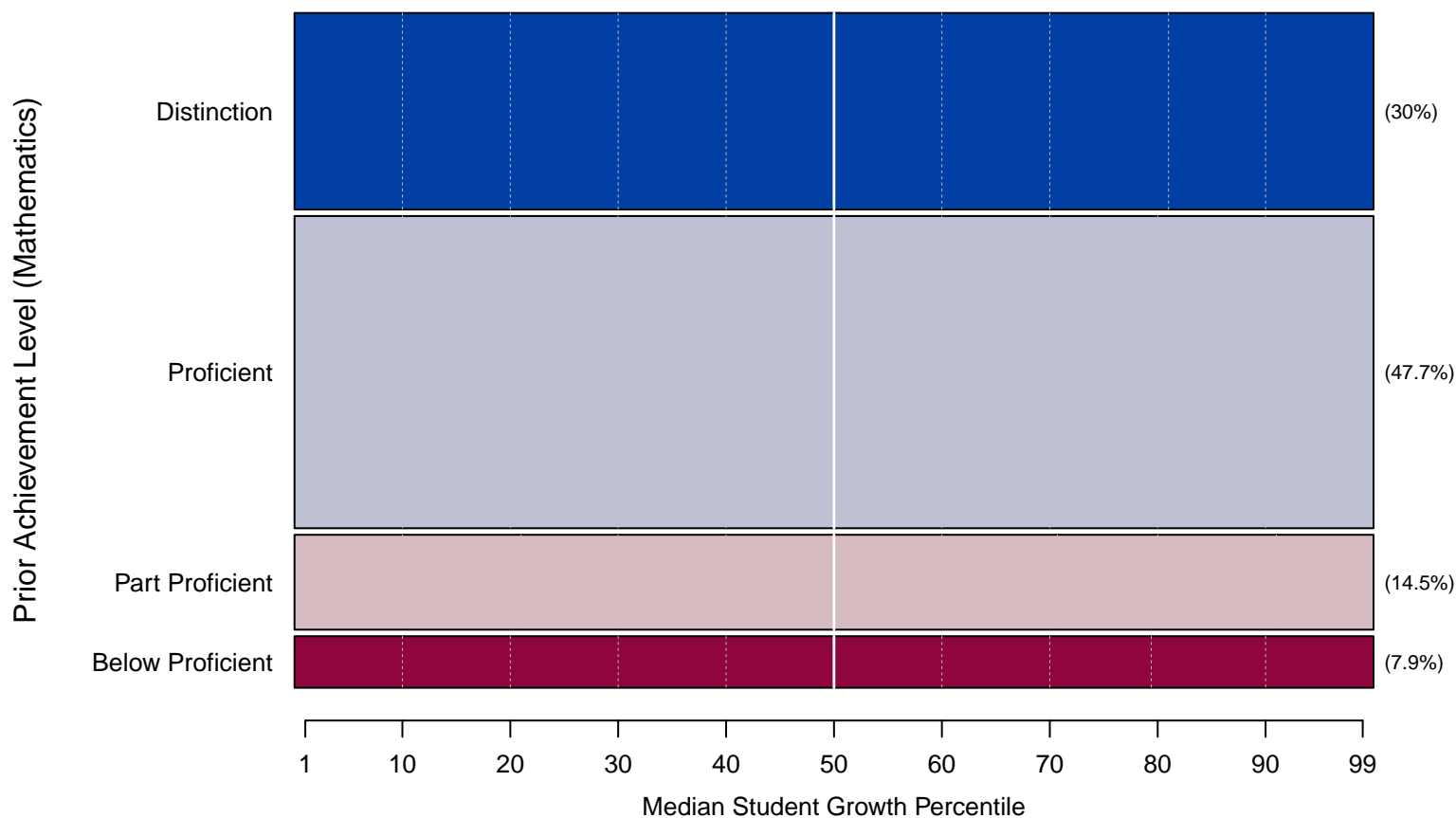# Student Growth Percentile Goodness–of–Fit Descriptives

2013–2014 Mathematics SGP, Grade 5 (N = 13,205)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

- Distinction (30%)
- Proficient (47.7%)
- Part Proficient (14.5%)
- Below Proficient (7.9%)

Median Student Growth Percentile

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)	9.17	9.86	10.61	9.70	9.55	10.99	10.24	9.78	9.78	10.31	(10%)
2nd/[433,438)	10.36	10.25	9.01	10.81	9.57	8.11	9.46	10.59	9.91	11.94	(6.7%)
3rd/[438,443)	9.47	10.08	10.08	10.08	10.20	10.63	9.96	9.90	9.71	9.90	(12.4%)
4th/[443,446)	9.62	9.76	10.18	9.69	10.60	9.34	10.04	9.62	10.25	10.88	(10.9%)
5th/[446,449)	9.63	9.55	9.14	10.29	9.47	10.70	9.30	9.96	10.45	11.52	(9.2%)
6th/[449,452)	9.60	9.89	10.92	9.38	9.23	9.82	10.92	9.82	10.26	10.18	(10.3%)
7th/[452,454)	8.46	11.78	9.96	9.31	11.67	9.85	8.24	12.96	7.60	10.17	(7.1%)
8th/[454,457)	9.94	9.66	9.80	10.16	9.45	10.23	10.93	9.38	9.59	10.86	(10.7%)
9th/[457,463)	10.04	9.80	10.23	9.68	9.68	9.31	9.31	9.43	11.64	10.90	(12.4%)
10th/[463,480]	9.10	10.13	9.99	10.21	10.28	10.28	10.57	10.21	9.91	9.32	(10.3%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution