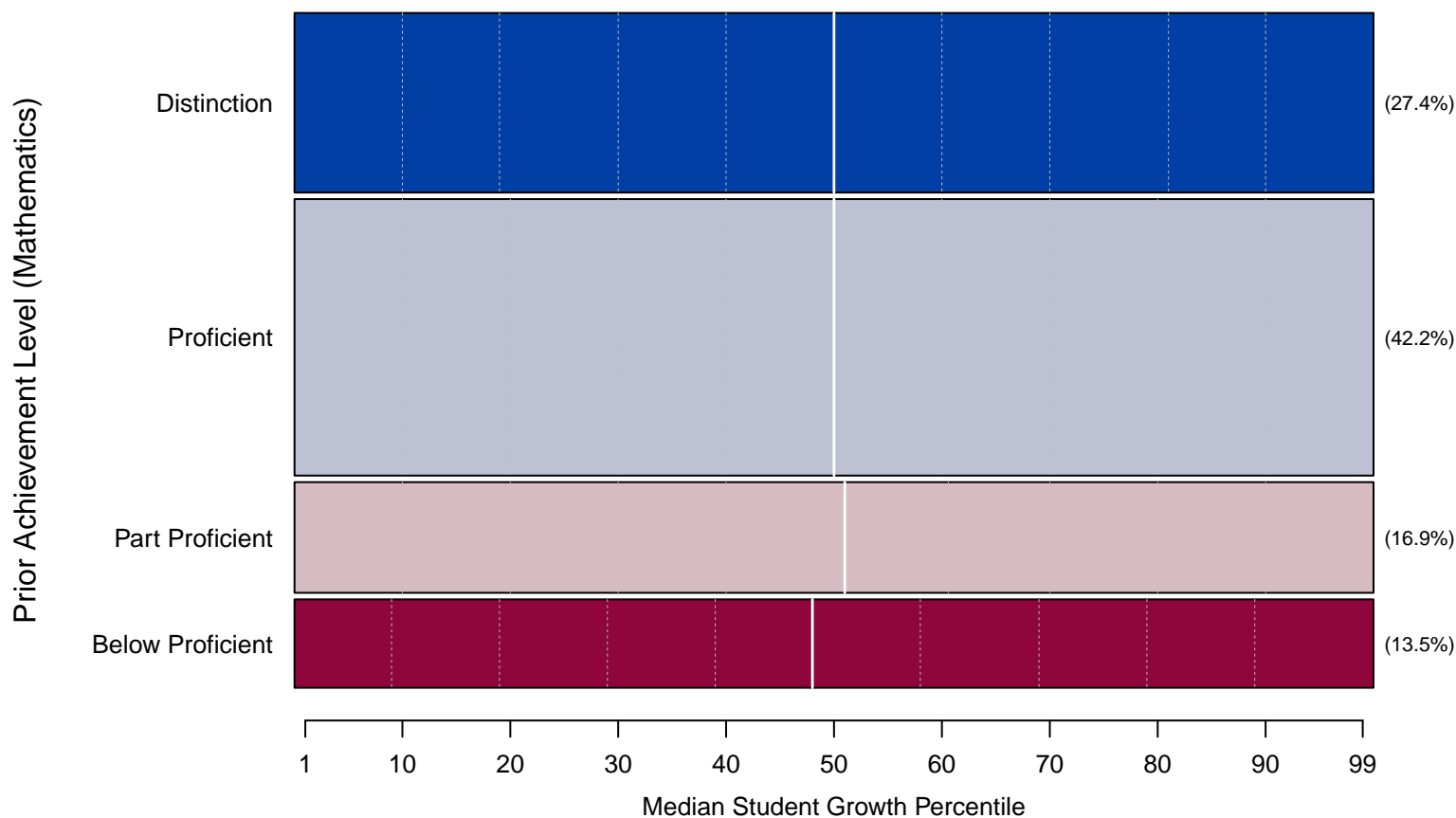# Student Growth Percentile Goodness–of–Fit Descriptives

2013–2014 Mathematics SGP, Grade 8 (N = 13,866)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Distinction	(27.4%)
Proficient	(42.2%)
Part Proficient	(16.9%)
Below Proficient	(13.5%)

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/[700,731)	10.44	10.52	10.77	9.46	10.44	10.28	9.54	9.95	9.14	9.46	(8.8%)
2nd/[731,736)	10.60	9.35	10.09	10.38	10.46	8.10	9.94	10.97	9.94	10.16	(9.8%)
3rd/[736,739)	8.76	9.50	9.41	10.42	9.59	11.53	11.35	9.13	10.52	9.78	(7.8%)
4th/[739,743)	9.70	10.03	10.86	9.31	9.20	10.09	8.70	9.87	11.14	11.09	(13%)
5th/[743,745)	9.59	9.71	9.47	10.41	10.99	10.88	9.71	9.36	8.89	10.99	(6.2%)
6th/[745,748)	10.26	10.08	9.82	10.45	9.95	8.69	10.52	10.39	9.32	10.52	(11.5%)
7th/[748,751)	9.14	9.47	9.92	9.60	9.86	10.31	9.92	11.09	10.05	10.64	(11.1%)
8th/[751,754)	10.52	9.90	10.31	10.52	9.97	9.41	9.76	8.64	9.62	11.36	(10.3%)
9th/[754,758)	9.86	10.65	9.86	10.07	9.71	10.72	9.64	9.64	9.78	10.07	(10%)
10th/[758,780]	9.35	9.97	9.35	10.04	9.60	9.66	10.35	10.48	10.54	10.66	(11.5%)

*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