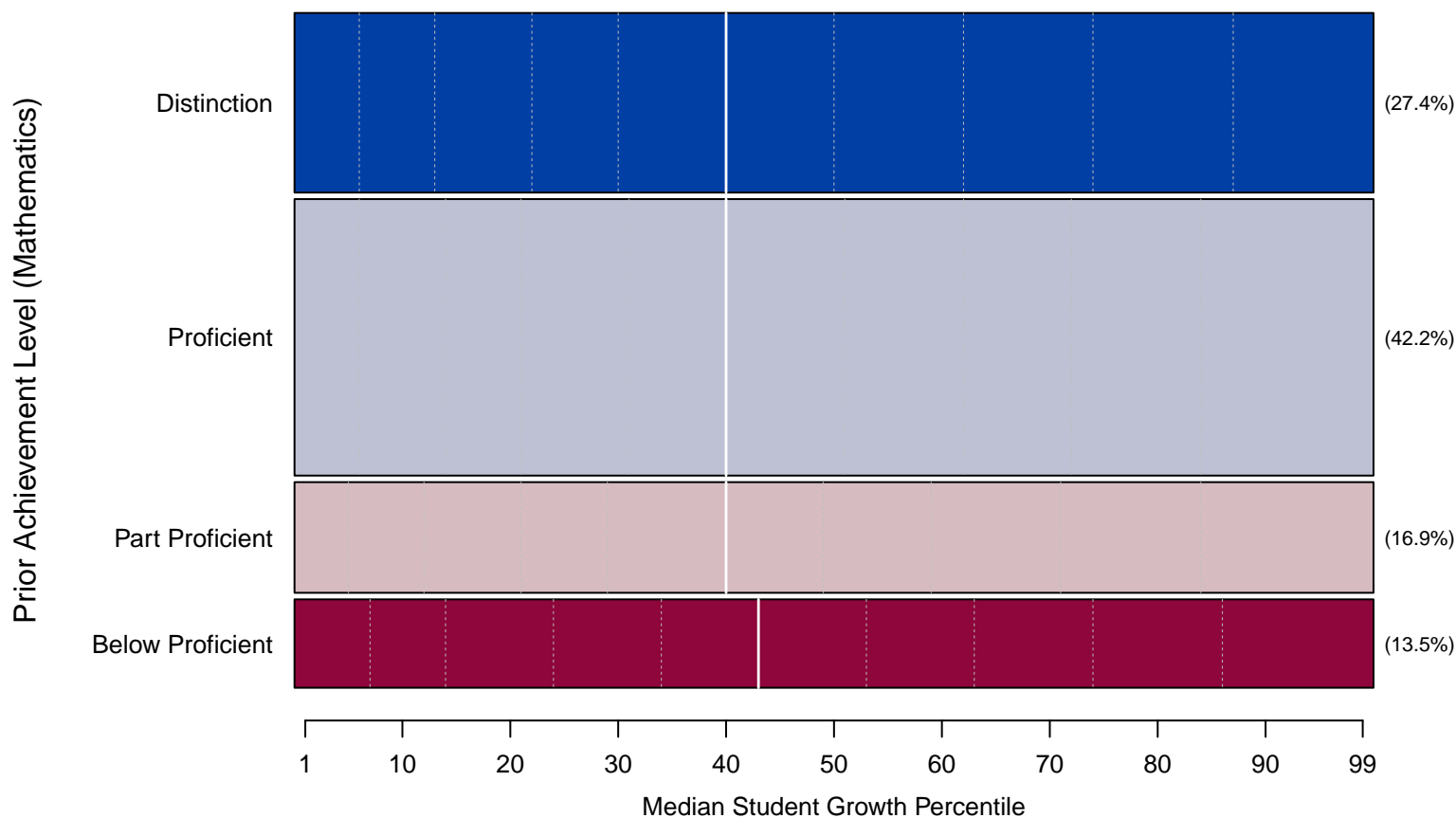# Student Growth Percentile Goodness–of–Fit Descriptives

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

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Level	Percent
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)	13.21	10.85	10.11	9.95	10.20	10.03	9.71	10.11	7.01	8.81	(8.8%)
2nd/[731,736)	15.32	13.70	10.82	9.28	10.53	9.79	8.91	8.03	7.14	6.48	(9.8%)
3rd/[736,739)	15.68	11.53	12.92	9.32	11.53	11.44	6.83	7.93	7.10	5.72	(7.8%)
4th/[739,743)	16.46	13.25	10.98	10.09	9.09	8.87	9.09	8.59	8.15	5.43	(13%)
5th/[743,745)	14.74	13.33	9.94	12.98	10.76	8.07	8.30	8.54	7.95	5.38	(6.2%)
6th/[745,748)	14.29	13.16	11.96	10.71	8.82	8.69	10.89	7.68	7.30	6.49	(11.5%)
7th/[748,751)	13.04	12.26	11.61	10.18	9.86	8.95	9.99	9.47	7.39	7.26	(11.1%)
8th/[751,754)	14.29	13.38	11.22	10.73	10.17	8.36	7.74	8.71	7.25	8.15	(10.3%)
9th/[754,758)	14.64	12.97	12.10	9.78	10.14	8.84	7.61	9.13	7.46	7.32	(10%)
10th/[758,780]	15.24	12.23	11.04	9.85	10.54	9.35	7.47	8.41	7.97	7.90	(11.5%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution