Student Growth Percentile Goodness–of–Fit Descriptives
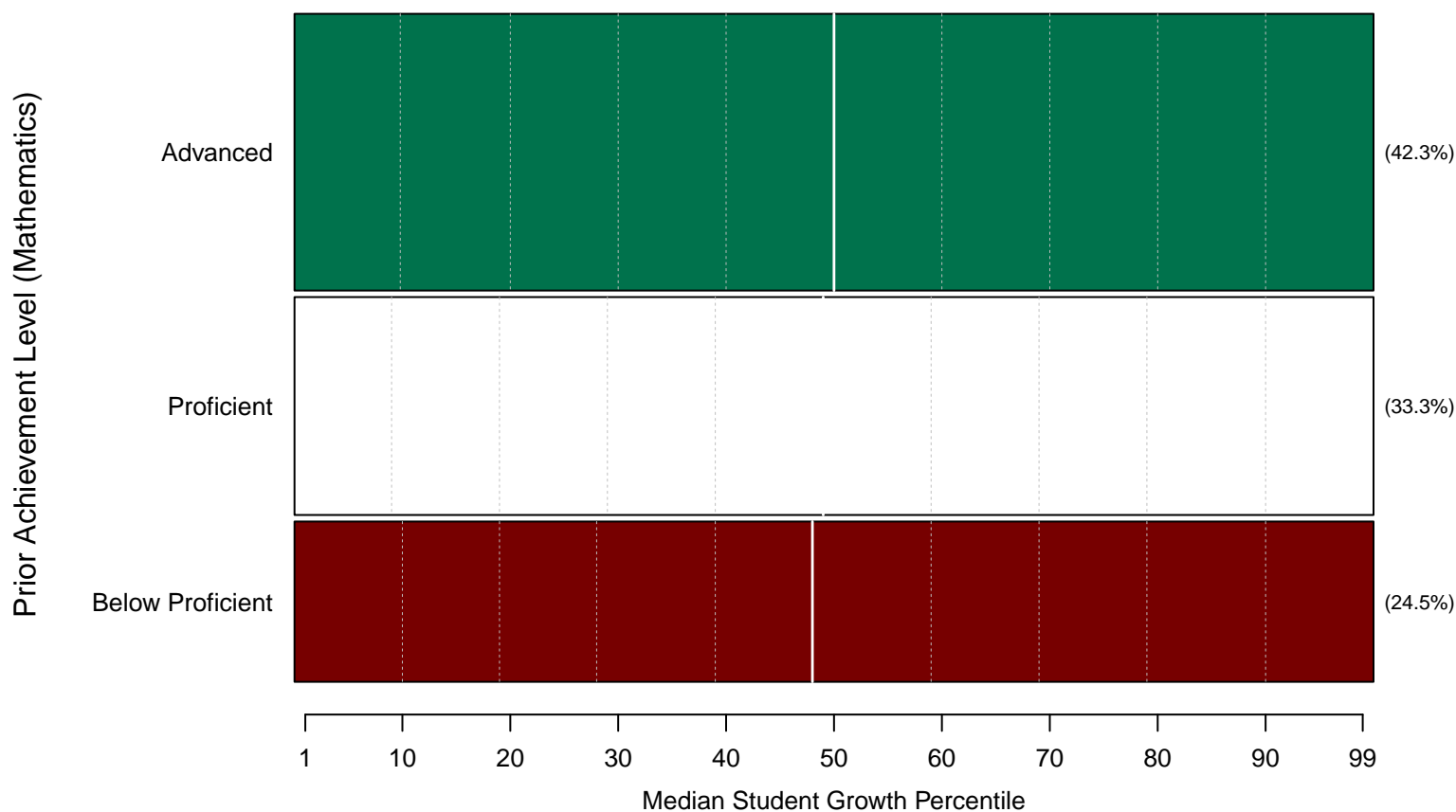
2012 Mathematics SGP, Grade 8 (N = 4,376)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

- Advanced (42.3%)
- Proficient (33.3%)
- Below Proficient (24.5%)

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/[130,152)	11.02	11.02	11.02	8.54	9.64	10.74	9.37	9.37	9.64	9.64	(8.3%)
2nd/[152,158)	6.77	11.55	9.56	10.96	11.35	8.76	11.16	10.96	9.56	9.36	(11.5%)
3rd/[158,161)	12.90	10.60	10.14	9.91	9.22	10.83	8.06	8.76	7.60	11.98	(9.9%)
4th/[161,164)	10.40	8.26	9.17	13.15	11.31	9.79	11.31	10.40	9.17	7.03	(7.5%)
5th/[164,166)	9.20	8.71	11.69	8.46	8.46	11.69	10.95	7.71	11.69	11.44	(9.2%)
6th/[166,169)	11.62	11.02	8.42	9.42	10.42	8.82	9.82	10.82	7.62	12.02	(11.4%)
7th/[169,171)	10.70	9.14	10.18	9.40	9.92	10.18	11.23	8.62	10.44	10.18	(8.8%)
8th/[171,175)	8.84	10.83	9.93	10.11	8.48	11.19	9.93	10.29	10.47	9.93	(12.7%)
9th/[175,178)	10.82	8.44	9.76	10.03	10.55	8.44	12.66	8.97	9.50	10.82	(8.7%)
10th/[178,199]	10.13	9.76	10.51	9.57	9.57	10.32	8.82	10.88	10.69	9.76	(12.2%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution