Student Growth Percentile Goodness–of–Fit Descriptives
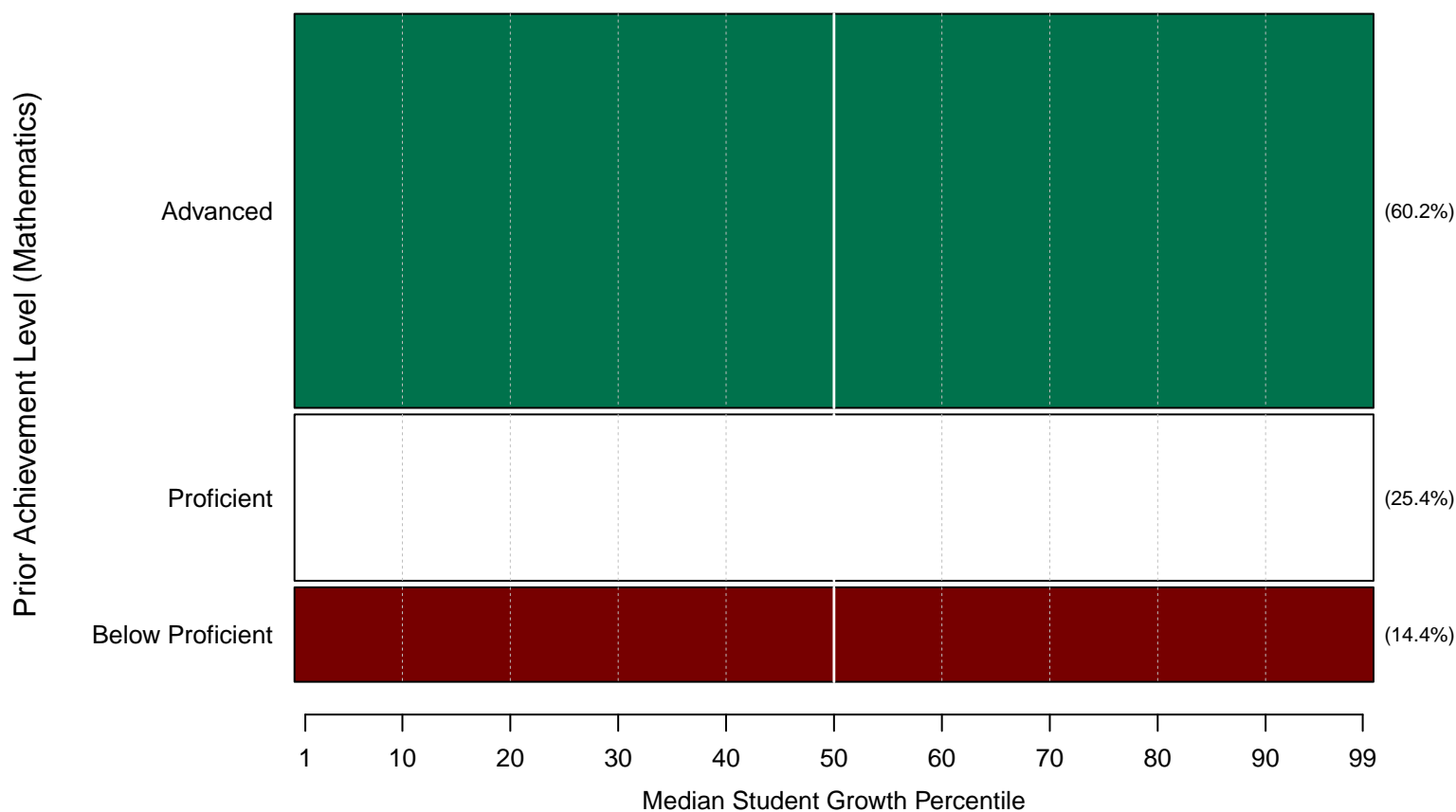## 2013 Mathematics SGP, Grade 8 (N = 14,570)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

- Advanced (60.2%)
- Proficient (25.4%)
- Below Proficient (14.4%)

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/[130,156)	9.12	10.29	9.71	10.44	10.15	9.78	9.64	10.58	10.58	9.71	(9.4%)
2nd/[156,162)	9.43	9.72	10.78	9.08	9.72	11.06	9.79	9.72	9.29	11.42	(9.7%)
3rd/[162,165)	9.84	9.35	9.68	10.34	9.18	9.59	11.25	9.43	10.59	10.75	(8.3%)
4th/[165,169)	9.21	10.80	10.69	10.42	10.80	9.43	8.54	10.31	9.76	10.03	(12.5%)
5th/[169,171)	10.61	9.32	10.01	8.97	10.27	10.09	9.75	10.70	9.92	10.35	(8%)
6th/[171,174)	8.56	9.72	9.03	10.26	9.18	10.34	11.03	9.41	10.80	11.65	(8.9%)
7th/[174,177)	10.31	10.74	10.06	10.74	9.93	9.06	10.24	9.81	9.68	9.43	(11%)
8th/[177,179)	9.40	11.30	12.04	8.98	9.29	9.93	9.82	8.45	10.56	10.24	(6.5%)
9th/[179,186)	8.62	9.64	9.54	10.13	9.97	10.29	9.75	11.31	9.97	10.78	(12.7%)
10th/[186,199]	10.12	10.22	9.70	10.12	9.96	10.01	10.59	9.85	9.38	10.06	(13.1%)

*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