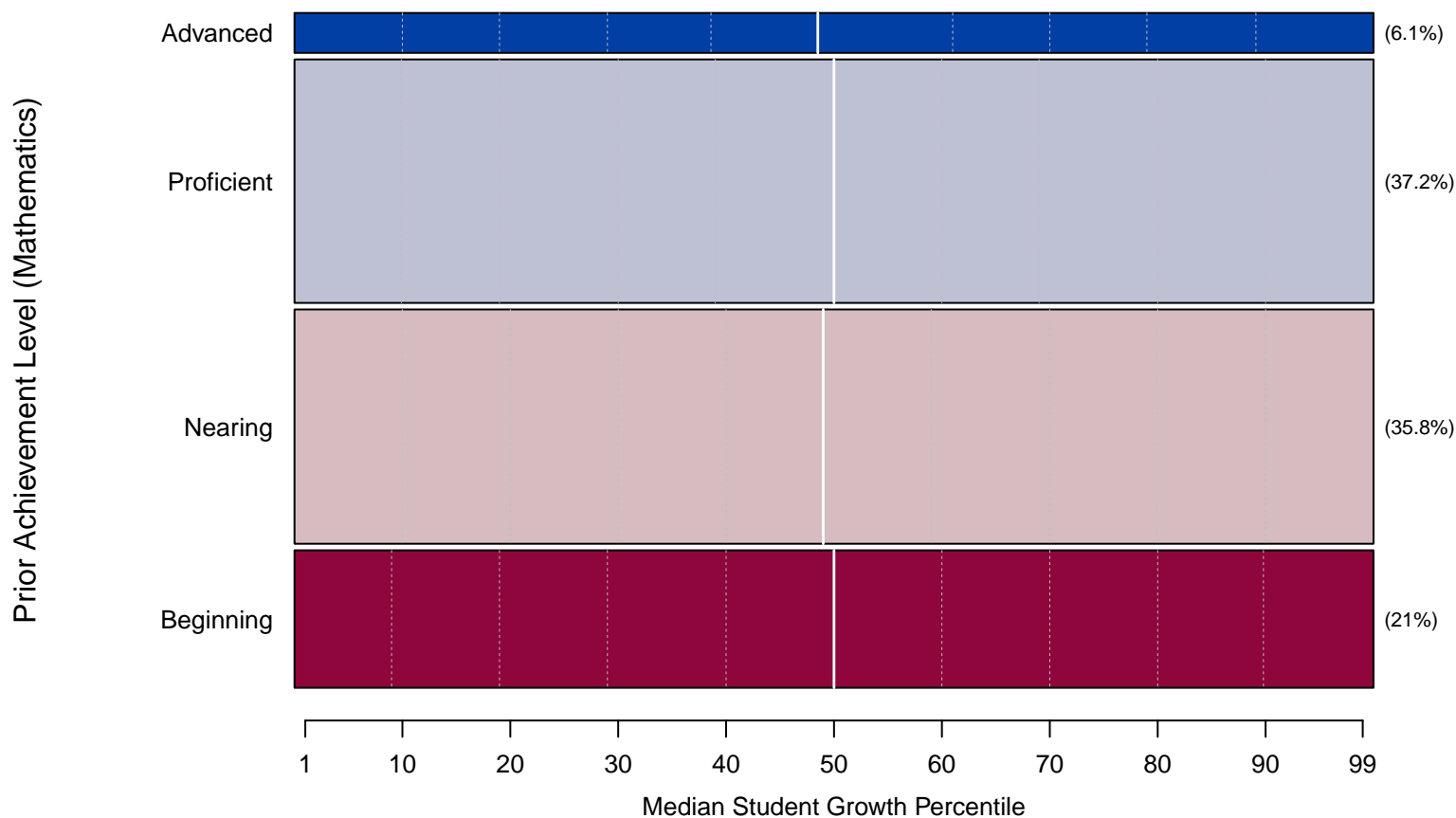# Student Growth Percentile Goodness–of–Fit Descriptives
2013 Mathematics SGP, Grade 8 (N = 4,924)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Level	Percentage
Advanced	(6.1%)
Proficient	(37.2%)
Nearing	(35.8%)
Beginning	(21%)

Median Student Growth Percentile: 1, 10, 20, 30, 40, 50, 60, 70, 80, 90, 99

Student Growth Percentile Range

Prior Scale Score Decile/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/[700,725)	9.15	10.21	9.79	10.21	10.21	10.85	8.51	10.43	10.43	10.21	(9.5%)
2nd/[725,729)	10.74	10.96	10.29	7.83	8.28	9.84	10.96	10.29	10.96	9.84	(9.1%)
3rd/[729,733)	8.79	7.11	9.62	11.51	11.30	9.62	10.88	10.67	9.00	11.51	(9.7%)
4th/[733,736)	12.05	10.97	10.43	11.15	9.53	8.09	9.35	8.81	9.53	10.07	(11.3%)
5th/[736,738)	7.14	12.21	8.76	8.53	10.14	12.90	9.22	12.44	10.14	8.53	(8.8%)
6th/[738,740)	10.51	8.31	12.71	7.33	12.96	9.54	8.80	8.31	10.51	11.00	(8.3%)
7th/[740,743)	10.85	9.04	9.22	11.03	8.14	9.58	12.48	9.04	9.40	11.21	(11.2%)
8th/[743,746)	9.09	12.53	10.10	10.71	8.69	8.28	9.09	11.11	10.91	9.49	(10.1%)
9th/[746,750)	9.43	10.48	8.18	10.27	12.58	10.27	10.69	8.60	9.64	9.85	(9.7%)
10th/[750,773]	10.25	9.42	11.24	9.42	9.59	10.25	9.09	10.25	10.08	10.41	(12.3%)

*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