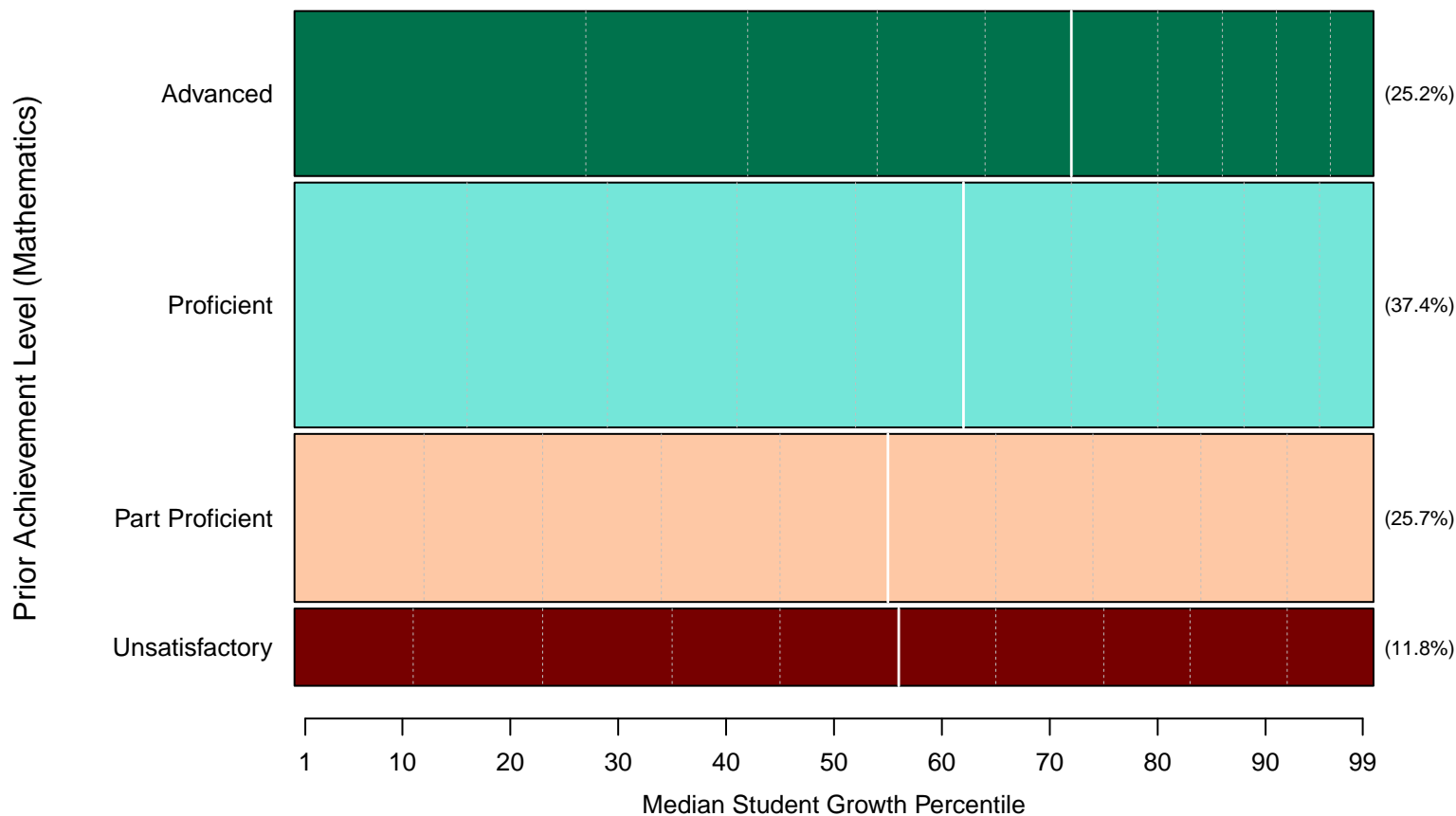# Student Growth Percentile Goodness–of–Fit Descriptives

2013 Mathematics SGP, Grade 7 (N = 58,185)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Achievement Level	Percentage
Advanced	(25.2%)
Proficient	(37.4%)
Part Proficient	(25.7%)
Unsatisfactory	(11.8%)

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/[240,445)	9.31	7.88	8.20	8.76	9.40	10.07	10.84	10.63	11.64	13.28	(9.8%)
2nd/[445,481)	7.43	9.42	9.35	8.74	9.53	10.04	10.69	10.83	11.06	12.92	(10.1%)
3rd/[481,504)	7.80	9.21	9.36	9.21	10.15	9.46	10.74	10.61	10.51	12.95	(9.7%)
4th/[504,524)	7.12	8.80	8.52	8.87	9.79	9.32	10.30	10.67	12.26	14.35	(9.9%)
5th/[524,543)	6.61	7.93	8.77	8.70	8.32	9.51	10.47	10.70	12.71	16.28	(10.4%)
6th/[543,561)	5.64	7.55	8.13	7.96	8.86	9.87	10.31	11.48	13.22	16.99	(10%)
7th/[561,579)	4.86	5.79	7.37	7.72	8.77	10.36	10.50	12.30	13.07	19.27	(9.8%)
8th/[579,600)	4.31	5.42	6.14	7.37	7.63	10.67	11.11	12.57	14.22	20.57	(10.1%)
9th/[600,627)	2.91	4.44	5.23	6.66	8.31	9.39	10.72	13.98	15.92	22.44	(10%)
10th/[627,830]	1.58	2.80	4.16	5.84	7.69	9.17	10.93	13.27	17.26	27.30	(10.1%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution