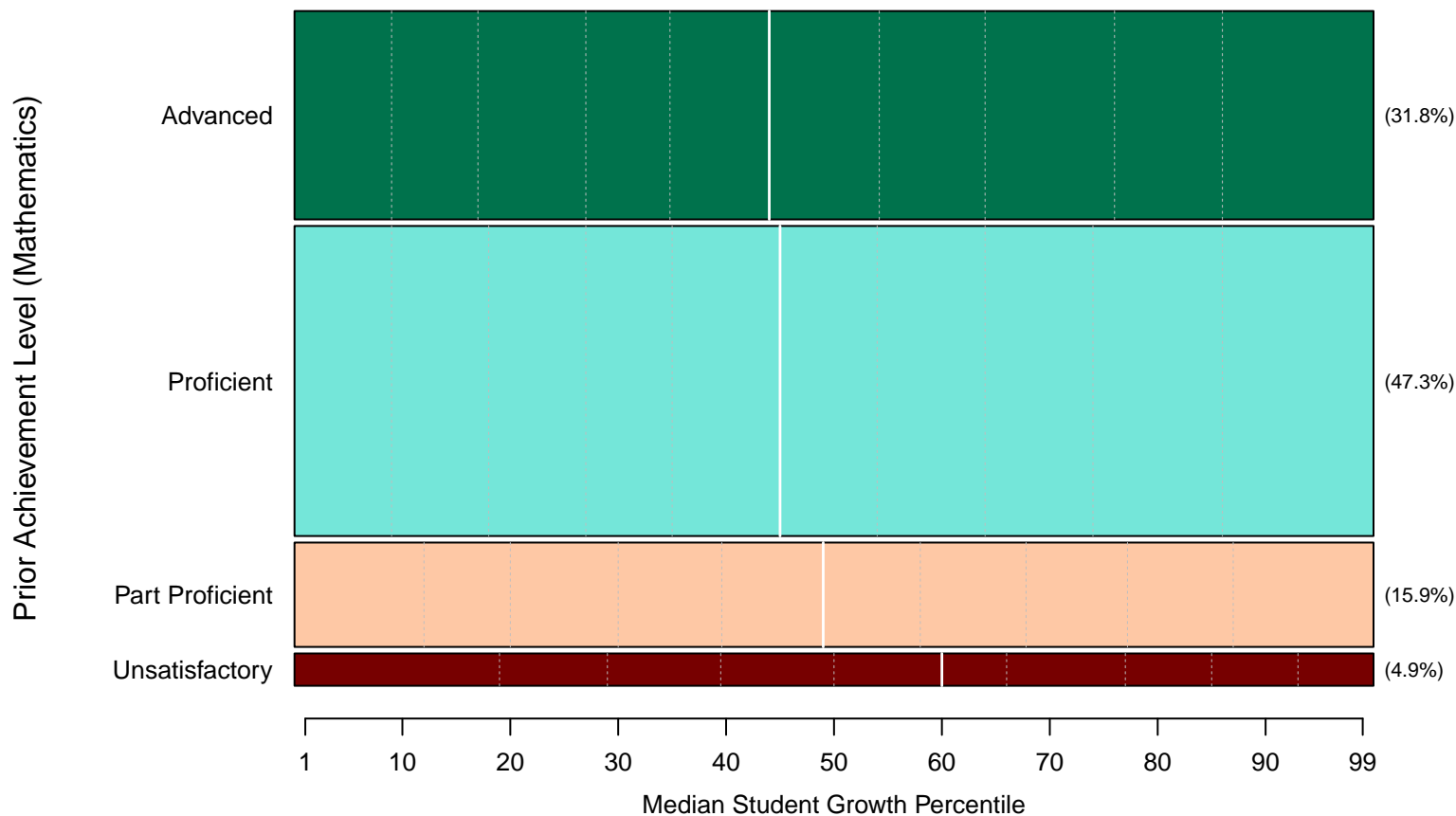# Student Growth Percentile Goodness–of–Fit Descriptives

2010–2011 Mathematics SGP, Grade 5 (N = 4,175)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

- Advanced (31.8%)
- Proficient (47.3%)
- Part Proficient (15.9%)
- Unsatisfactory (4.9%)

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/[180,419)	5.57	7.99	10.90	8.47	8.23	11.86	12.59	10.65	10.41	13.32	(9.9%)
2nd/[419,452)	9.13	12.74	9.62	11.54	11.54	10.34	8.41	10.58	8.41	7.69	(10%)
3rd/[452,475)	5.95	11.67	10.24	8.81	10.48	14.05	10.71	9.29	10.95	7.86	(10.1%)
4th/[475,492)	11.03	12.99	10.29	10.54	10.78	11.52	8.09	7.11	10.29	7.35	(9.8%)
5th/[492,508)	12.56	11.40	16.05	13.49	9.77	7.67	11.16	8.37	5.12	4.42	(10.3%)
6th/[508,525)	9.88	10.12	8.92	12.53	11.33	12.29	9.16	8.67	9.88	7.23	(9.9%)
7th/[525,541)	10.58	12.02	8.89	10.82	10.58	11.78	10.58	9.38	8.41	6.97	(10%)
8th/[541,561)	11.61	13.03	13.27	11.85	11.85	8.29	7.58	8.06	7.11	7.35	(10.1%)
9th/[561,592)	11.22	12.68	10.73	10.49	8.78	9.51	14.15	6.83	8.54	7.07	(9.8%)
10th/[592,780]	8.94	10.59	10.12	11.06	10.59	9.41	9.41	10.82	11.29	7.76	(10.2%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution