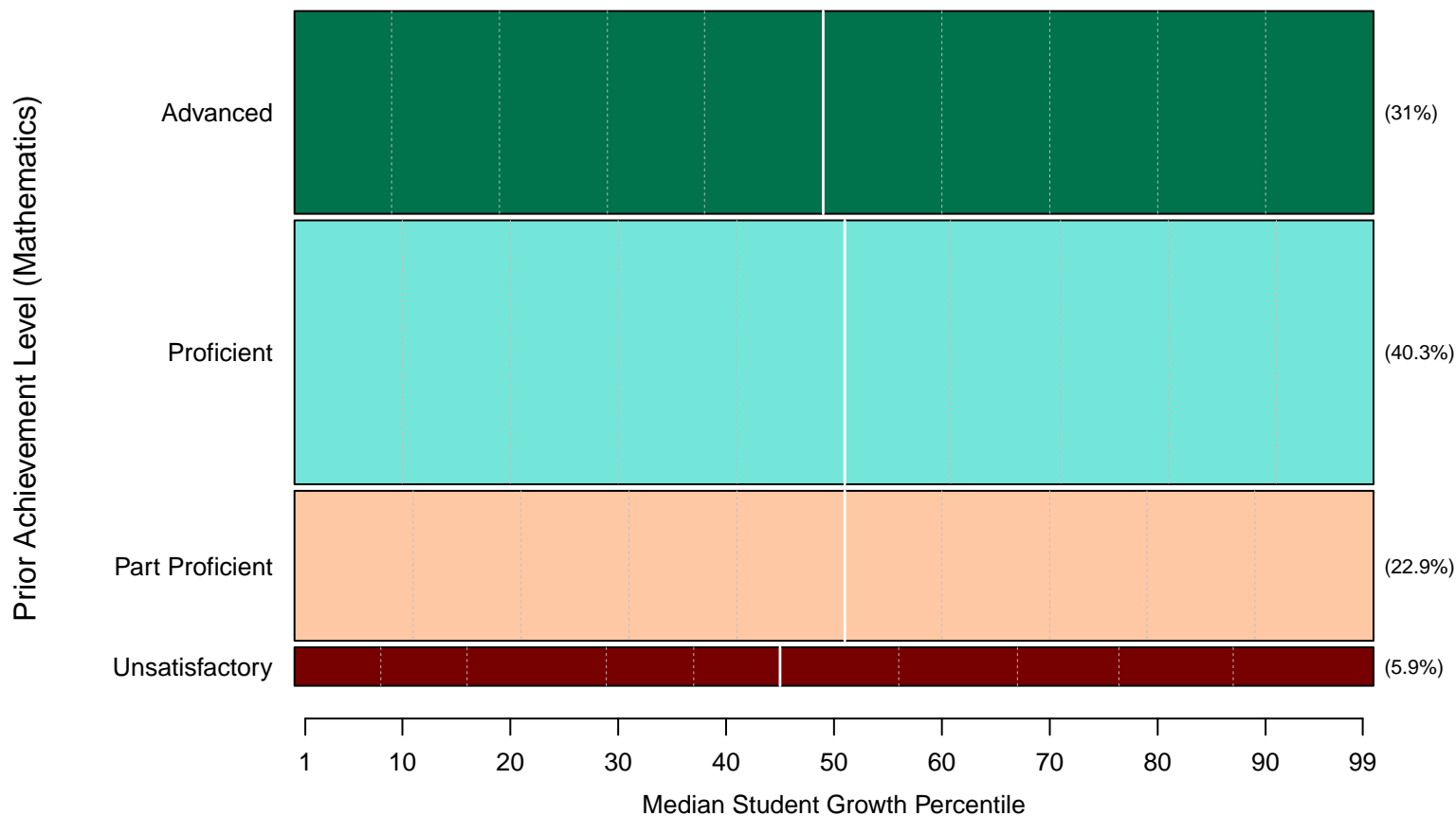# Student Growth Percentile Goodness–of–Fit Descriptives
2011–2012 Mathematics SGP, Grade 6 (N = 4,155)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

- Advanced (31%)
- Proficient (40.3%)
- Part Proficient (22.9%)
- Unsatisfactory (5.9%)

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/[220,444)	9.83	10.81	10.07	12.29	9.83	10.57	9.09	10.07	10.57	6.88	(9.8%)
2nd/[444,475)	9.76	10.48	7.86	8.10	9.52	11.67	10.71	10.48	9.05	12.38	(10.1%)
3rd/[475,496)	8.41	9.86	11.54	10.34	11.30	10.10	9.62	10.58	9.38	8.89	(10%)
4th/[496,513)	9.14	8.88	10.15	9.64	9.14	9.64	11.42	9.90	9.64	12.44	(9.5%)
5th/[513,529)	9.74	12.59	10.21	9.98	8.79	10.45	8.79	9.50	9.50	10.45	(10.1%)
6th/[529,546)	8.15	8.15	9.59	11.03	10.31	10.31	10.07	11.03	11.03	10.31	(10%)
7th/[546,563)	8.98	10.17	8.98	9.22	10.40	10.17	10.17	10.64	8.75	12.53	(10.2%)
8th/[563,585)	11.64	10.45	12.83	11.16	8.31	10.21	9.74	8.08	8.31	9.26	(10.1%)
9th/[585,615)	10.10	9.62	9.38	8.65	8.65	9.38	9.62	11.54	12.50	10.58	(10%)
10th/[615,800]	8.81	10.24	9.52	9.76	11.19	10.24	9.52	10.24	10.24	10.24	(10.1%)

*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