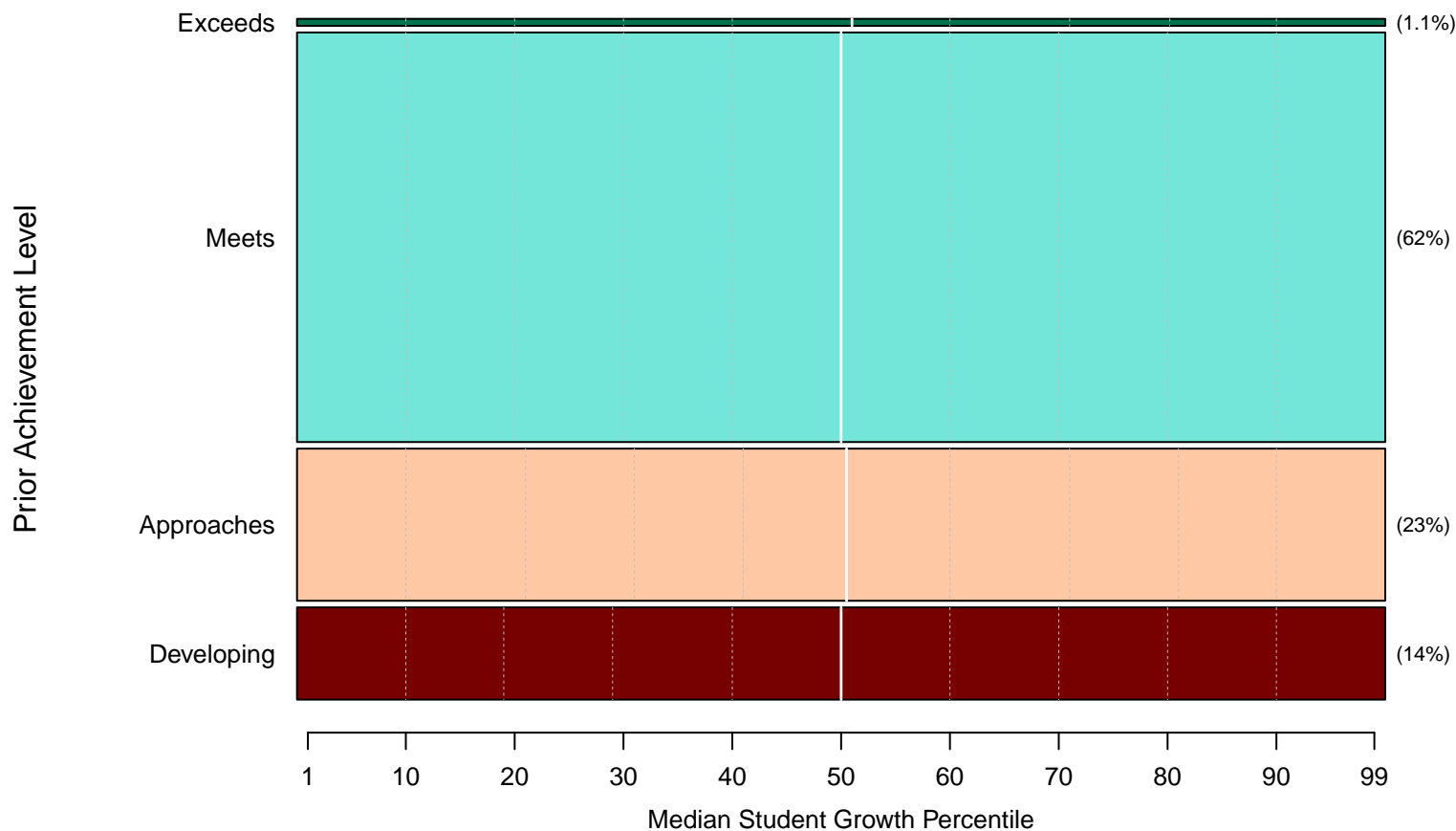# Student Growth Percentile Goodness–of–Fit Descriptives

2009–2010 Mathematics SGP, Grade 6 (N = 30,368)

SGP Deciles by Prior Achievement Level

Prior Achievement Level

- Exceeds (1.1%)
- Meets (62%)
- Approaches (23%)
- Developing (14%)

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/[100,235)	8.51	11.63	9.71	9.67	9.78	10.21	9.60	10.18	10.29	10.43	(9.1%)
2nd/[235,270)	10.63	8.83	9.83	10.63	9.83	10.01	10.26	9.79	10.11	10.07	(10.6%)
3rd/[270,290)	8.78	9.46	10.40	9.18	10.33	9.79	10.47	10.76	9.46	11.37	(9.2%)
4th/[290,309)	9.19	11.07	9.37	10.68	10.30	9.76	8.59	9.22	10.65	11.16	(11%)
5th/[309,324)	10.17	9.78	9.89	9.68	9.96	10.07	11.02	10.28	9.36	9.78	(9.3%)
6th/[324,341)	9.39	9.88	9.92	10.17	9.64	9.79	10.20	9.79	10.70	10.54	(10.6%)
7th/[341,353)	9.15	10.17	9.64	9.77	10.70	9.73	10.17	10.12	10.12	10.43	(7.4%)
8th/[353,376)	10.07	9.64	9.47	10.45	9.64	11.02	9.09	10.13	9.61	10.89	(12.1%)
9th/[376,395)	8.78	9.74	10.97	9.65	10.44	9.96	9.17	10.00	10.97	10.31	(7.5%)
10th/[395,500]	9.68	9.98	9.85	9.73	10.18	9.88	10.33	10.13	9.73	10.51	(13.2%)

*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