Student Growth Percentile Goodness–of–Fit Descriptives
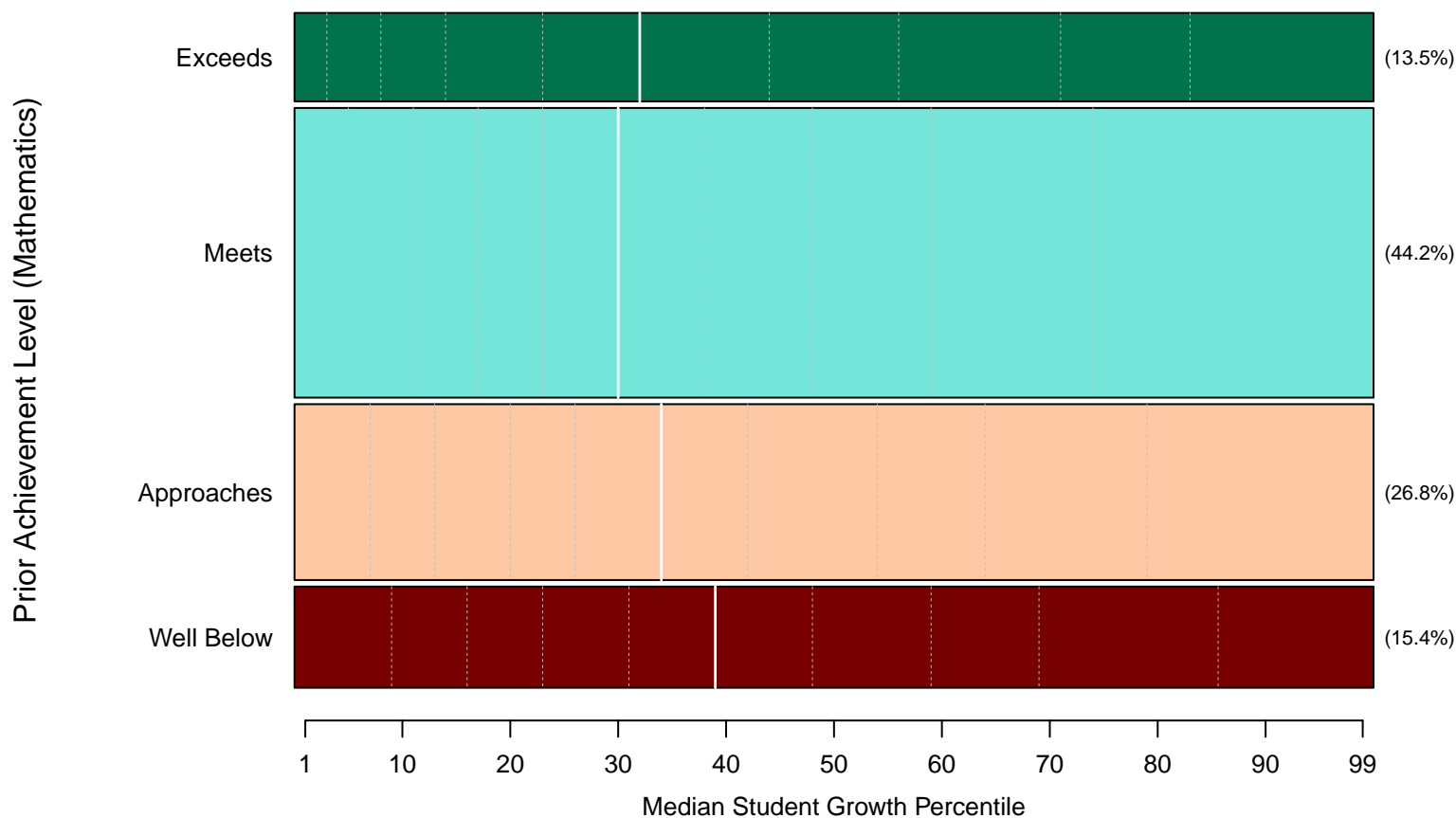## 2013 Mathematics SGP, Grade 10 (N = 9,616)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

- Exceeds (13.5%)
- Meets (44.2%)
- Approaches (26.8%)
- Well Below (15.4%)

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/[175,262)	11.85	14.07	13.97	10.79	10.90	8.99	9.42	6.88	6.24	6.88	(9.8%)
2nd/[262,277)	10.51	13.91	14.24	13.91	10.19	8.32	10.30	6.13	6.13	6.35	(9.5%)
3rd/[277,289)	14.37	13.98	16.83	12.20	9.55	9.25	8.37	6.50	4.13	4.82	(10.6%)
4th/[289,298)	15.69	14.74	14.42	11.98	9.97	9.33	8.48	6.57	4.14	4.67	(9.8%)
5th/[298,304)	13.85	15.37	14.55	8.38	13.39	8.27	8.61	7.45	6.17	3.96	(8.9%)
6th/[304,311)	12.47	17.55	11.97	12.37	12.17	13.49	6.19	5.48	4.67	3.65	(10.3%)
7th/[311,320)	15.71	17.52	18.13	11.98	10.98	8.16	5.64	4.53	4.53	2.82	(10.3%)
8th/[320,332)	19.02	21.02	15.22	11.81	7.01	10.11	4.60	5.51	3.10	2.60	(10.4%)
9th/[332,349)	26.23	16.02	12.51	12.31	5.81	7.31	6.41	6.01	3.90	3.50	(10.4%)
10th/[349,474]	22.43	13.19	11.63	8.52	4.98	8.72	7.17	7.79	8.10	7.48	(10%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution