Student Growth Percentile Goodness–of–Fit Descriptives
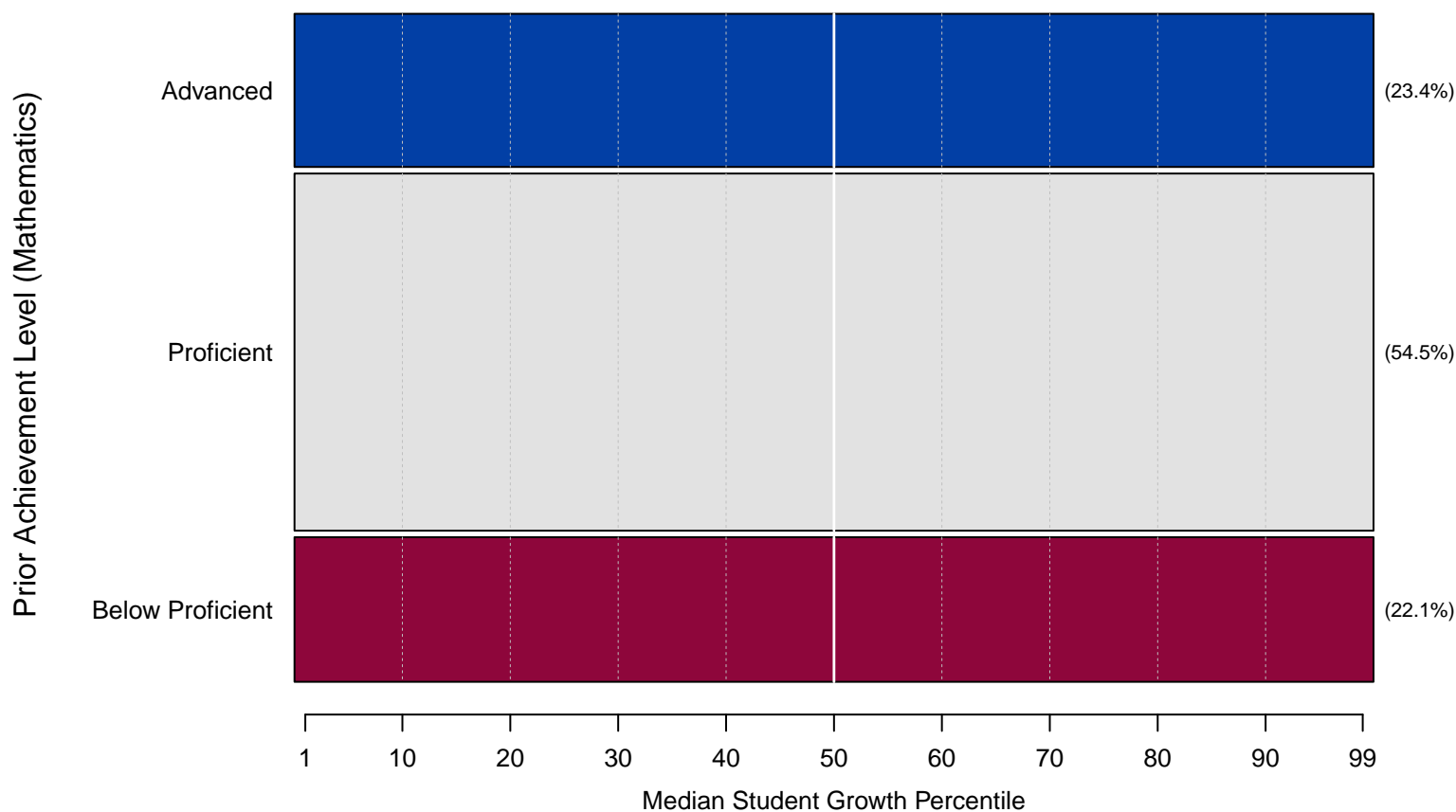## 2015 Mathematics SGP, Grade 4 (N = 42,413)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Advanced	(23.4%)
Proficient	(54.5%)
Below Proficient	(22.1%)

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/[185,268)	9.51	10.44	10.27	9.56	9.97	9.97	9.53	9.95	10.17	10.64	(9.6%)
2nd/[268,285)	9.85	9.39	9.55	9.92	10.36	9.71	11.34	9.78	9.94	10.15	(10.3%)
3rd/[285,296)	9.33	10.03	10.33	10.73	9.58	10.33	9.03	10.31	9.86	10.47	(10.1%)
4th/[296,305)	9.09	10.11	10.18	10.30	9.73	9.47	10.04	10.18	10.18	10.73	(9.9%)
5th/[305,313)	9.50	10.29	9.92	9.40	10.09	10.41	10.21	9.99	9.99	10.19	(9.6%)
6th/[313,321)	10.45	9.67	9.70	9.91	10.52	10.52	10.05	9.37	9.51	10.31	(10%)
7th/[321,329)	8.57	10.56	10.35	10.08	9.66	9.37	10.32	10.15	10.44	10.49	(9.7%)
8th/[329,339)	9.62	9.38	9.79	10.72	10.12	10.14	9.40	10.25	10.12	10.45	(10.7%)
9th/[339,352)	9.86	10.43	9.84	9.25	9.69	10.26	9.91	9.98	9.67	11.11	(10%)
10th/[352,436]	9.51	9.79	10.25	10.04	10.20	9.76	10.27	9.86	10.16	10.16	(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