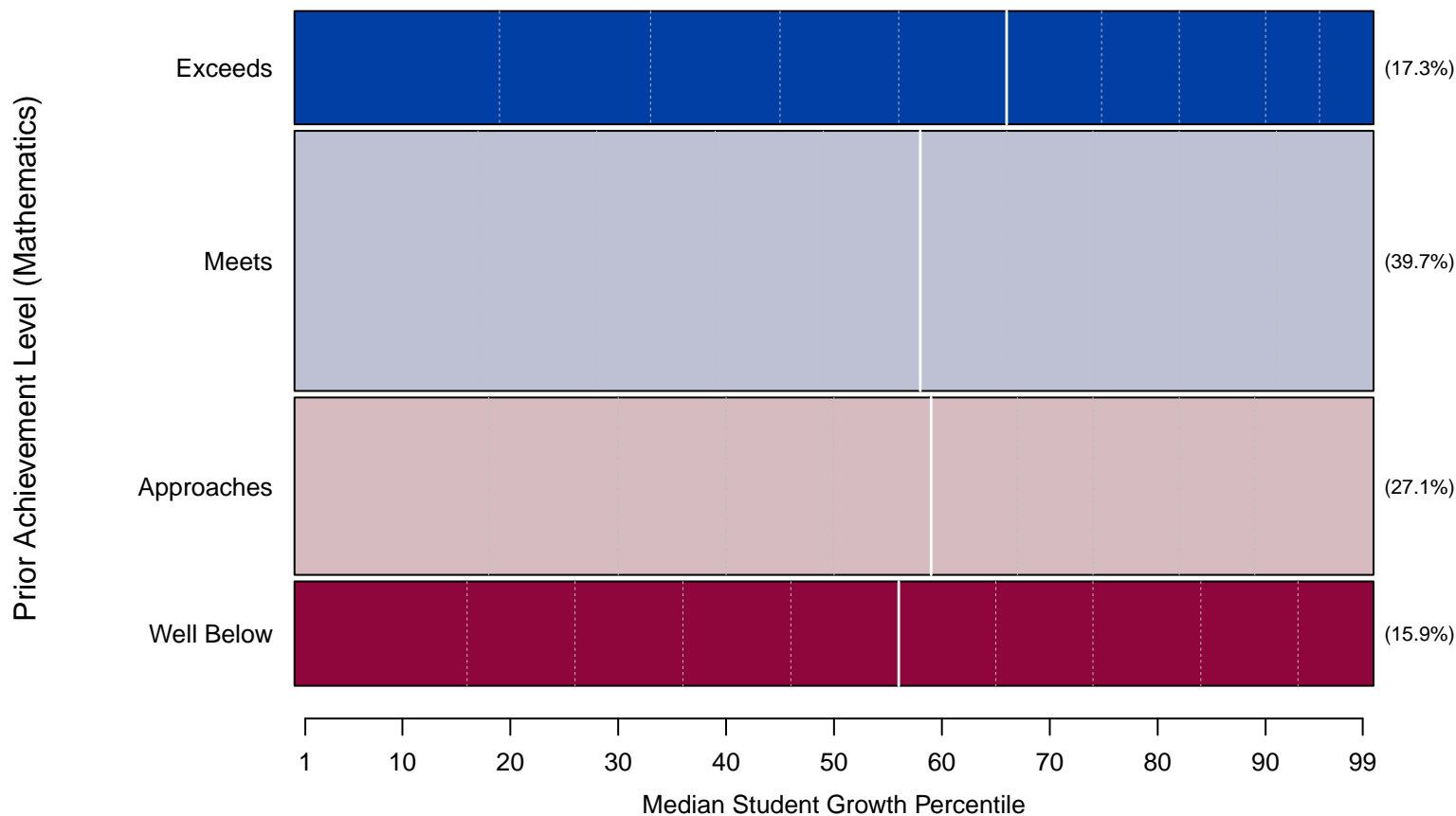# Student Growth Percentile Goodness–of–Fit Descriptives

2014 Mathematics SGP, Grade 8 (N = 12,230)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Exceeds	(17.3%)
Meets	(39.7%)
Approaches	(27.1%)
Well Below	(15.9%)

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/[167,261]	5.84	8.84	10.64	10.30	10.99	11.24	9.44	9.79	9.61	13.30	(9.5%)
2nd/[261,276]	5.48	5.64	7.44	8.75	10.14	10.55	12.35	12.51	13.41	13.74	(10%)
3rd/[276,287]	5.35	6.60	8.35	9.44	10.44	11.70	12.28	11.95	14.29	9.61	(9.8%)
4th/[287,297]	4.65	5.99	9.14	10.56	9.54	10.80	12.84	13.87	13.40	9.22	(10.4%)
5th/[297,304]	4.26	7.08	9.26	9.62	7.35	11.80	12.25	14.16	14.25	9.98	(9%)
6th/[304,312]	4.01	6.58	8.26	10.10	11.39	13.31	12.51	11.47	11.15	11.23	(10.2%)
7th/[312,322]	4.49	7.26	8.31	9.36	9.43	10.03	13.17	12.43	11.60	13.92	(10.9%)
8th/[322,334]	5.00	9.91	9.24	9.91	8.83	11.16	12.49	11.99	9.99	11.49	(9.8%)
9th/[334,354]	5.58	8.21	7.01	9.16	10.12	11.16	11.16	12.19	11.55	13.86	(10.3%)
10th/[354,500]	3.56	4.86	6.88	7.04	7.29	9.07	9.55	12.06	15.87	23.81	(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