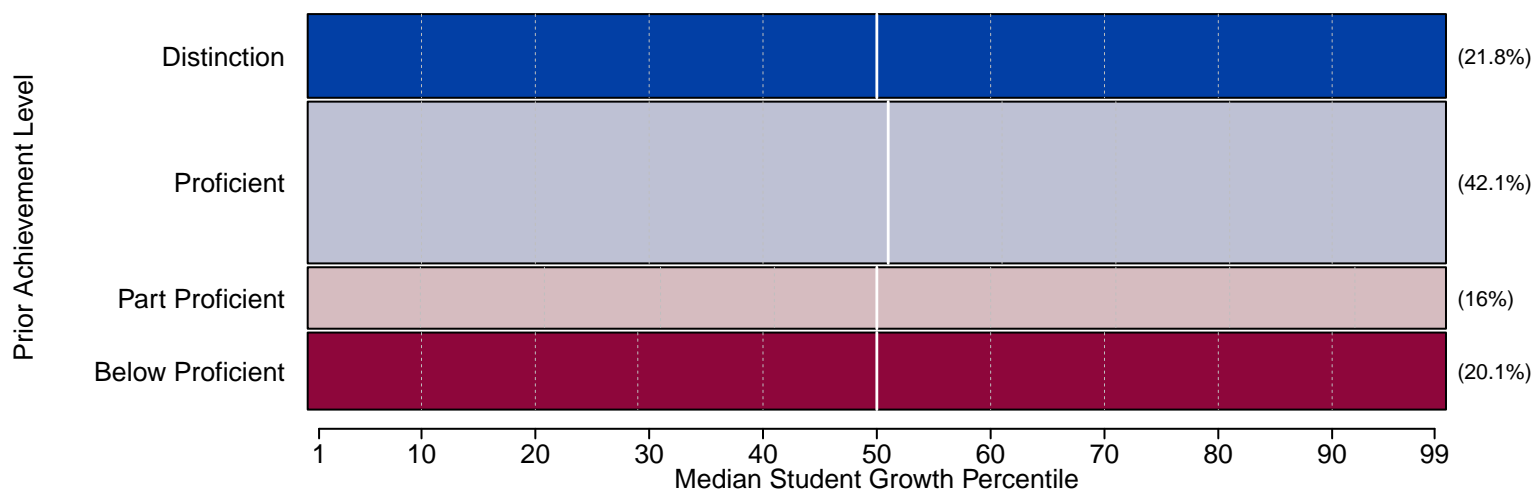# Student Growth Percentile Goodness–of–Fit Descriptives

2012–2013 Mathematics SGP, Grade 7 (N = 9,435)

SGP Deciles by Prior Achievement Level (Mathematics)

Prior Achievement Level

Distinction	(21.8%)
Proficient	(42.1%)
Part Proficient	(16%)
Below Proficient	(20.1%)

Median Student Growth Percentile (1, 10, 20, 30, 40, 50, 60, 70, 80, 90, 99)

Ceiling / Floor Effects Test

Current Observed Score Extremes (Range)

Student Growth Percentile Range

		1 to 5	5 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 94	95 to 99	
Lowest OSS:	[0]	55.9	20.6	14.7	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 68
Highest OSS:	[73]	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7	7.4	25.9	18.5	40.7	N = 27
	(73,80]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	15.4	76.9	N = 26

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/[0,26)	9.43	9.31	10.48	11.06	9.55	10.24	9.78	9.55	10.36	10.24	(9.1%)
2nd/[26,32)	9.37	12.57	10.68	8.07	10.32	9.13	9.96	9.37	10.32	10.20	(8.9%)
3rd/[32,38)	9.87	8.79	9.60	10.49	10.67	10.94	8.97	10.04	9.15	11.48	(11.8%)
4th/[38,41)	9.92	8.99	8.33	9.26	11.64	8.99	9.79	9.79	10.58	12.70	(8%)
5th/[41,45)	9.12	10.34	11.47	9.87	8.27	9.96	9.96	10.34	9.87	10.81	(11.3%)
6th/[45,48)	9.11	9.81	9.11	10.21	11.21	9.61	10.11	9.91	10.61	10.31	(10.6%)
7th/[48,51)	9.94	11.48	11.10	8.52	9.55	9.29	11.35	9.29	9.55	9.94	(8.2%)
8th/[51,54)	9.72	8.48	8.79	10.75	9.10	9.51	9.51	11.17	11.27	11.69	(10.2%)
9th/[54,59)	9.72	9.42	10.13	10.54	10.03	10.44	9.11	10.24	10.13	10.24	(10.4%)
10th/[59,80]	9.44	10.09	9.91	8.80	10.28	11.02	10.09	10.37	9.54	10.46	(11.4%)

*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)