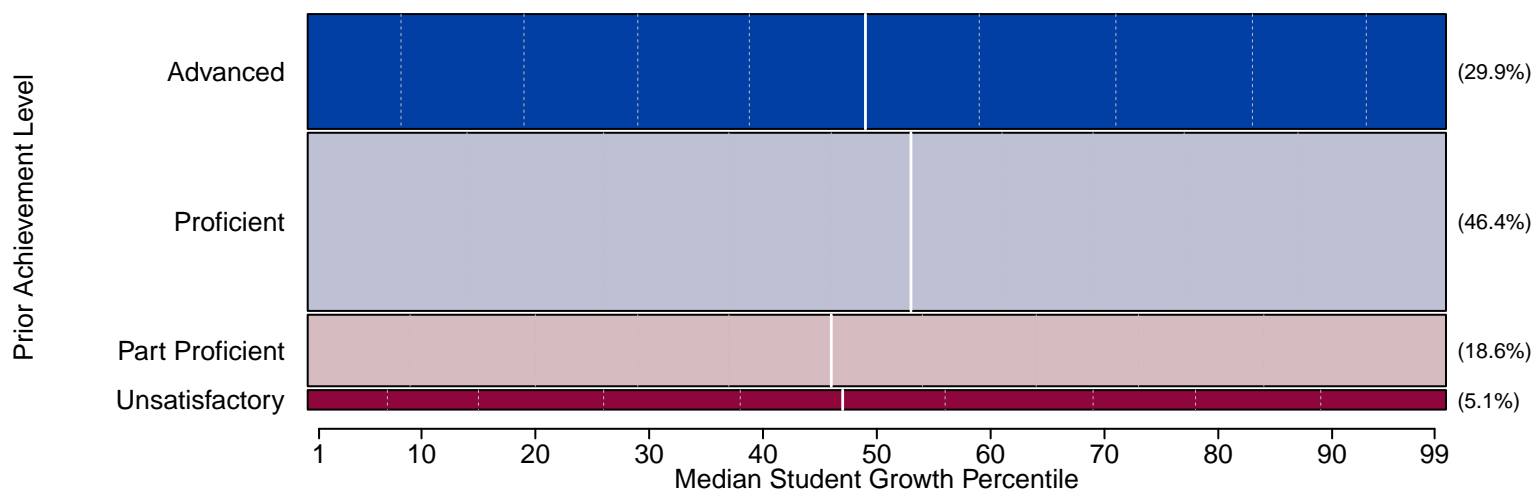# Student Growth Percentile Goodness–of–Fit Descriptives

2016–2017 Mathematics SGP OIs, Grade 5 (N = 4,156)

SGP Deciles by Prior Achievement Level (Mathematics)

Prior Achievement Level	
Advanced	(29.9%)
Proficient	(46.4%)
Part Proficient	(18.6%)
Unsatisfactory	(5.1%)

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

Ceiling / Floor Effects Test

Student Growth Percentile Range

Current Observed Score Extremes (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:	[220,330]	68.0	4.0	8.0	12.0	0.0	4.0	0.0	0.0	0.0	4.0	0.0	0.0	N = 25
	[330,348]	36.0	12.0	16.0	12.0	16.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	N = 25
Highest OSS:	[690,721]	0.0	0.0	4.0	4.0	4.0	0.0	4.0	0.0	0.0	12.0	12.0	60.0	N = 25
	[721,800]	0.0	0.0	0.0	0.0	0.0	0.0	4.0	4.0	0.0	8.0	4.0	80.0	N = 25

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/[223,411]	12.56	9.36	9.61	10.10	11.58	9.85	9.11	10.34	10.34	7.14	(9.8%)
2nd/[411,445]	10.12	8.89	9.38	12.10	13.33	12.10	13.33	8.15	7.16	5.43	(9.7%)
3rd/[445,467]	7.93	10.26	11.42	11.42	13.75	9.09	9.09	11.42	7.69	7.93	(10.3%)
4th/[467,485]	7.90	9.38	9.38	8.40	11.85	11.11	10.12	11.85	11.85	8.15	(9.7%)
5th/[485,502]	5.84	9.49	8.03	12.17	11.68	13.87	16.55	10.71	6.08	5.60	(9.9%)
6th/[502,519]	5.06	8.19	7.71	9.40	12.77	14.46	14.22	9.88	9.16	9.16	(10%)
7th/[519,537]	4.50	6.87	9.48	9.24	11.14	11.85	11.85	13.51	10.66	10.90	(10.2%)
8th/[537,558]	6.28	9.53	9.77	10.00	12.09	11.40	9.30	8.14	11.40	12.09	(10.3%)
9th/[558,588]	5.80	7.73	8.45	12.08	8.21	8.70	10.63	13.04	10.87	14.49	(10%)
10th/[588,780]	20.29	12.65	9.55	11.22	7.88	7.88	5.49	4.06	6.92	14.08	(10.1%)

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

QQ–Plot: Student Growth Percentiles