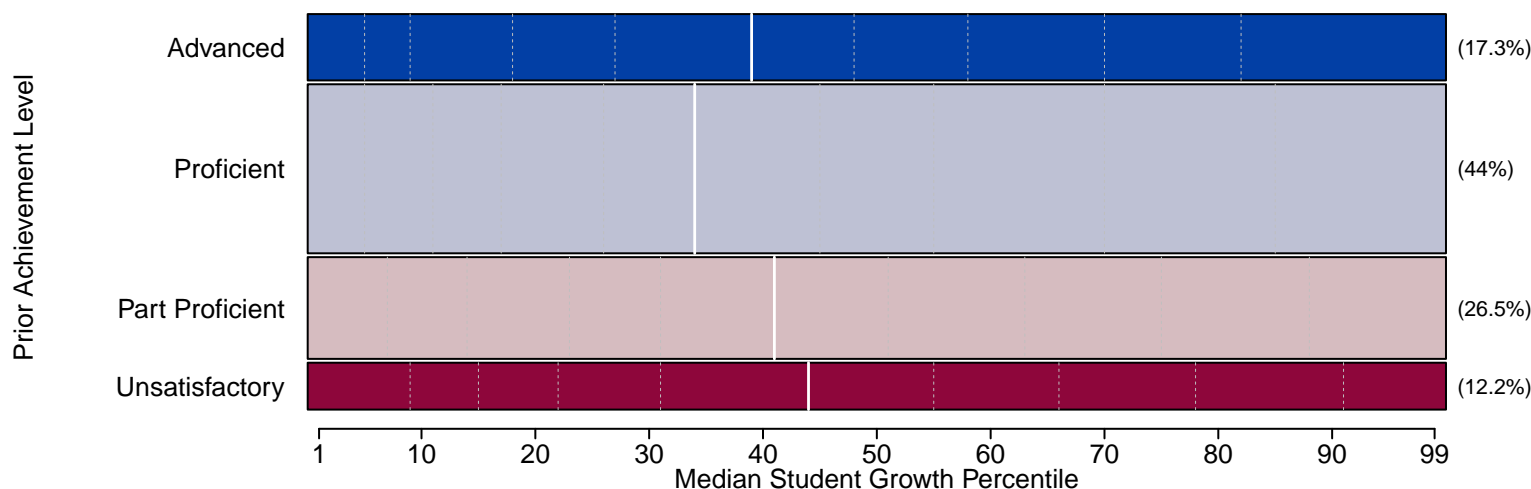# Student Growth Percentile Goodness–of–Fit Descriptives

2021 Mathematics SGP, Grade 6 (N = 7,149)

SGP Deciles by Prior Achievement Level (Mathematics)

Prior Achievement Level	
Advanced	(17.3%)
Proficient	(44%)
Part Proficient	(26.5%)
Unsatisfactory	(12.2%)

Median Student Growth Percentile

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:	[398.1,421)	84.0	12.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 25
	[421,426.4]	64.0	12.0	24.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 25
Highest OSS:	[590.6,602)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	4.0	0.0	8.0	84.0	N = 25
	[602,660.6]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	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/[380,464)	9.61	17.98	10.39	8.37	9.46	8.53	9.92	7.60	7.29	10.85	(9%)
2nd/[464,478)	10.68	11.76	15.17	7.89	11.30	8.20	6.35	7.43	8.98	12.23	(9%)
3rd/[478,488)	13.96	11.14	10.58	12.69	10.86	10.01	8.60	7.76	5.78	8.60	(9.9%)
4th/[488,500)	16.30	13.04	10.30	11.99	8.47	8.34	8.21	7.30	10.04	6.00	(10.7%)
5th/[500,506)	18.25	13.10	9.36	12.95	12.64	12.17	6.86	3.28	5.46	5.93	(9%)
6th/[506,516)	16.85	14.44	11.55	10.95	8.90	8.90	5.29	7.94	5.42	9.75	(11.6%)
7th/[516,526)	14.94	17.04	12.71	9.31	7.60	9.31	6.68	6.42	6.29	9.70	(10.7%)
8th/[526,538)	21.24	16.46	11.67	9.14	9.85	6.75	6.19	8.30	4.92	5.49	(9.9%)
9th/[538,554)	18.34	12.76	13.08	10.21	9.89	6.86	9.41	6.86	7.18	5.42	(8.8%)
10th/[554,650]	20.64	10.14	9.39	9.15	11.25	10.38	7.66	6.30	7.54	7.54	(11.3%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution