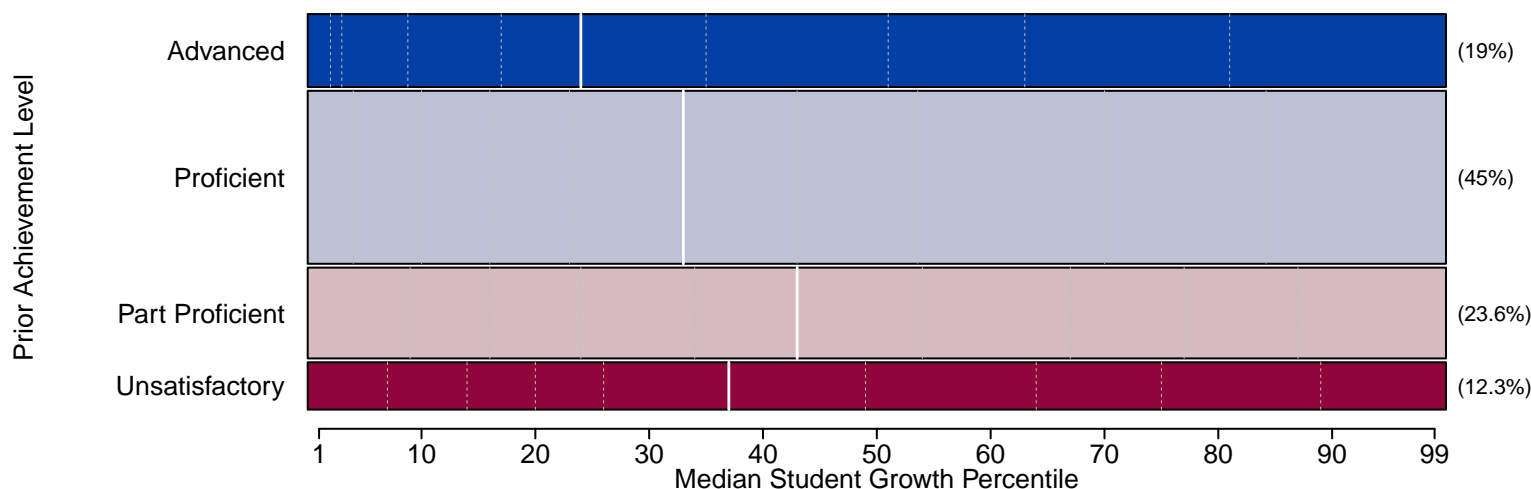# Student Growth Percentile Goodness–of–Fit Descriptives

2021 Mathematics SGP, Grade 5 (N = 6,725)

SGP Deciles by Prior Achievement Level (Mathematics)

Prior Achievement Level:
- Advanced (19%)
- Proficient (45%)
- Part Proficient (23.6%)
- Unsatisfactory (12.3%)

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:	[393.8,421)	84.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 25
	[421,425]	60.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 25
Highest OSS:	[599.8,614.3)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	20.0	32.0	40.0	N = 25
	[614.3,632.6]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.0	68.0	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/[408,462)	18.62	13.62	15.69	11.38	5.69	4.31	8.45	7.41	7.07	7.76	(8.6%)
2nd/[462,479)	8.53	11.06	15.48	7.42	10.58	5.37	11.06	8.53	10.90	11.06	(9.4%)
3rd/[479,492)	10.97	11.28	14.99	9.12	10.82	8.35	7.88	10.51	9.43	6.65	(9.6%)
4th/[492,504)	10.68	14.03	11.45	10.68	13.38	4.89	8.62	11.84	8.37	6.05	(11.6%)
5th/[504,512)	15.68	14.12	10.45	8.76	13.70	9.46	6.78	7.63	6.78	6.64	(10.5%)
6th/[512,518)	16.70	18.49	13.92	10.93	8.55	4.77	4.17	6.36	7.16	8.95	(7.5%)
7th/[518,528)	18.36	18.84	11.84	8.45	10.14	6.28	4.83	6.40	8.82	6.04	(12.3%)
8th/[528,537)	22.91	18.64	12.23	8.35	10.10	6.02	4.08	4.85	5.44	7.38	(7.7%)
9th/[537,554)	32.70	15.28	8.84	9.34	6.44	5.18	7.95	2.78	7.07	4.42	(11.8%)
10th/[554,648]	28.98	13.61	9.97	9.03	6.60	8.22	6.47	4.72	6.47	5.93	(11%)

*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