

Math Inventory Assessment

In the Fall of 2015-16 only a portion of grade 5 students took the Math Inventory, in the following years all grade 5 students took the Math Inventory. In the 2017-18 and 2018-19 school years middle school students enrolled in high school credit courses did not take the Spring Math Inventory.

Growth was assessed on the average annual growth identified in the 2015 HMH Math Inventory Research Study. Estimated growth is based on Fall Assessment scores, and higher scores do not have an estimated growth. As result, growth findings in the following data do not include those who scored advanced in the Fall.

Proficiency Categories

Table 1: Percent of Grade 5 Students in each Math Inventory Proficiency Category

	Below basic	Basic	Proficient	Advanced
Fall 2015-16 (n=191)	48%	37%	15%	0%
Spring 2015-16 (n=1,791)	16%	30%	45%	9%
Fall 2016-17 (n=1,821)	28%	27%	34%	11%
Spring 2016-17 (n=1,649)	11%	16%	39%	34%
Fall 2017-18 (n=2,120)	31%	26%	34%	10%
Spring 2017-18 (n=1,601)	12%	21%	53%	15%
Fall 2018-19 (n=2,072)	30%	30%	39%	1%
Spring 2018-19 (n=1,417)	13%	22%	54%	11%

Table 2: Percent of Grade 6 Students in each Math Inventory Proficiency Category

	Below basic	Basic	Proficient	Advanced
Fall 2015-16 (n=1,656)	34%	43%	22%	2%
Spring 2015-16 (n=1,666)	24%	32%	38%	7%
Fall 2016-17 (n=1,862)	28%	38%	32%	3%
Spring 2016-17 (n=1,860)	16%	16%	52%	17%
Fall 2017-18 (n=1,828)	33%	36%	29%	2%
Spring 2017-18 (n=1,763)	16%	19%	47%	18%
Fall 2018-19 (n=2,024)	33%	32%	31%	4%
Spring 2018-19 (n=1,648)	15%	18%	47%	19%

Table 3: Percent of Grade 7 Students in each Math Inventory Proficiency Category

	Below basic	Basic	Proficient	Advanced
Fall 2015-16 (n=1,493)	41%	36%	22%	2%
Spring 2015-16 (n=1,465)	22%	25%	46%	8%
Fall 2016-17 (n=1,746)	32%	23%	41%	4%

Spring 2016-17 (n=1,705)	16%	17%	47%	20%
Fall 2017-18 (n=1,883)	29%	23%	39%	9%
Spring 2017-18 (n=1,213)	22%	18%	39%	21%
Fall 2018-19 (n=1,690)	28%	25%	37%	10%
Spring 2018-19 (n=1,206)	13%	15%	39%	33%

Table 4: Percent of Grade 8 Students in each Math Inventory Proficiency Category

	Below basic	Basic	Proficient	Advanced
Fall 2015-16 (n=1,399)	36%	38%	24%	2%
Spring 2015-16 (n=1,300)	27%	24%	36%	13%
Fall 2016-17 (n=1,547)	24%	28%	37%	10%
Spring 2016-17 (n=1,433)	20%	23%	38%	19%
Fall 2017-18 (n=1,675)	27%	26%	34%	13%
Spring 2017-18 (n=303)	41%	20%	25%	15%
Fall 2018-19 (n=1,666)	27%	22%	34%	16%
Spring 2018-19 (n=609)	25%	21%	44%	10%

Average Growth

Table 5: Percent of Grade 5 Students to Meet Average Growth Rate, by Fall Proficiency Groups

School Year	Below Basic		Basic		Proficient		Advanced	
	# of Students	% Met Avg. Growth	# of Students	% Met Avg. Growth	# of Students	% Met Avg. Growth	# of Students	% Met Avg. Growth
2015-16	84	38%	68	24%	27	33%	NA	NA
2016-17	415	65%	403	66%	556	64%	165	63%
2017-18	436	65%	414	44%	544	24%	169	27%
2018-19	400	58%	404	48%	522	39%	16	63%

Table 6: Percent of Grade 6 Students to Meet Average Growth Rate, by Fall Proficiency Groups

School Year	Below Basic		Basic		Proficient		Advanced	
	# of Students	% Met Avg. Growth	# of Students	% Met Avg. Growth	# of Students	% Met Avg. Growth	# of Students	% Met Avg. Growth
2015-16	524	42%	685	45%	358	52%	27	37%
2016-17	451	64%	655	72%	570	80%	50	64%
2017-18	544	66%	617	69%	488	80%	40	75%
2018-19	471	69%	507	68%	517	76%	61	66%

Table 7: Percent of Grade 7 Students to Meet Average Growth Rate, by Fall Proficiency Groups

School Year	Below Basic		Basic		Proficient		Advanced	
	# of Students	% Met Avg. Growth	# of Students	% Met Avg. Growth	# of Students	% Met Avg. Growth	# of Students	% Met Avg. Growth
2015-16	565	62%	504	79%	302	60%	22	46%
2016-17	491	67%	377	44%	679	66%	75	57%
2017-18	418	58%	294	75%	418	68%	34	53%
2018-19	297	65%	285	73%	446	72%	118	64%

Table 8: Percent of Grade 8 Students to Meet Average Growth Rate, by Fall Proficiency Groups

School Year	Below Basic		Basic		Proficient		Advanced	
	# of Students	% Met Avg. Growth	# of Students	% Met Avg. Growth	# of Students	% Met Avg. Growth	# of Students	% Met Avg. Growth
2015-16	419	49%	486	69%	300	57%	27	41%
2016-17	306	58%	371	80%	520	71%	147	60%
2017-18	146	40%	62	66%	62	74%	13	46%
2018-19	229	54%	167	69%	169	66%	15	20%