

Students beginning High School Math in 8th grade persistence to AP Calculus in 12th grade

School year Students were in 12th Grade

	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006	2006-2007
Number in 8th Grade Honors	179	273	309	225	191	285
Number in AP Calc (AB or BC)	29	62	73	65	68	81
Percent	16.2%	22.7%	23.6%	28.9%	35.6%	28.4%

The above chart is the historic view of the number of students who entered honors math at the 8th grade level compared to the number who took AP Calculus their 12th grade year.

Beginning with the class of 2007 Columbia Public Schools had two options for 8th grade honors math, Algebra 1 Honors and Integrated Math 1 Honors. Therefore the first year we could report numbers comparing the two pathways completion of Calculus was for 2006 – 2007.

Senior Year	2006-2007	Students
Began in 8th Grade	285	Algebra Path - 224
		Integrated Path - 81
Number in AP Calc	81	Algebra Path - 57
		Integrated Path - 24

Advanced Placement (AP) Math scores for the students who took the AP test from this target group are shown below. (AP Scores from 2006 – 2007) Note: some students may have taken 2 AP courses and or tests.

Prior year's Math Course

AP Course	Data	Integrated Math 4	Integrated Math 4 Honors	Precalculus	Precalculus Honors	Grand Total
Calculus AB	Count of Students	3	10	27	19	59
	Average of AP Score	3	3.4	3.9	4.6	4.0
	Std Dev of AP Score	1	0.97	1.05	0.69	1.03
Calculus BC	Count of Students		2		8	10
	Average of AP Score		4.5		4.6	4.6
	Std Dev of AP Score		0.71		0.74	0.70
Statistics	Count of Students	2	5	20	4	31
	Average of AP Score	2	4.4	3.0	3.0	3.1
	Std Dev of AP Score	0	0.55	0.89	0.82	0.99