

Appendix table 1-17

High school graduates who completed advanced mathematics courses, by selected student and school characteristics: Selected years, 1990–2000

(Percent)

Class and characteristic	Trigonometry/ algebra III	Precalculus/ analysis	Statistics and probability	Calculus	
				Any calculus	AP/IB calculus
1990 graduates	20.7	13.6	1.0	7.2	NA
1994 graduates	24.0	17.4	2.1	10.2	NA
1998 graduates	20.8	23.1	3.7	11.9	6.4
2000 graduates					
Overall	19.6	26.7	5.7	12.6	8.4
Race/ethnicity					
White	20.8	28.2	6.1	13.5	8.9
Black	17.1	16.2	3.8	5.1	2.9
Hispanic	9.8	19.3	2.3	6.4	4.2
Asian/Pacific Islander	28.4	49.0	11.5	33.7	26.6
Other	16.9	26.3	11.8	12.4	7.1
Sex					
Male	17.9	25.4	5.8	13.3	9.2
Female	21.1	27.9	5.6	12.0	7.8
School sector					
Public	18.8	24.2	5.5	12.0	8.1
Private	27.6	53.8	7.9	18.3	12.4
Community type					
Urban	21.4	29.1	5.5	13.4	9.3
Suburban	18.9	30.0	7.0	13.9	9.8
Rural	18.9	17.7	3.3	9.2	4.7
Size (enrollment)					
Small (1–599)	22.0	23.8	5.2	11.9	4.0
Medium (600–1,799)	18.5	28.4	6.6	12.7	9.6
Large ($\geq 1,800$)	20.1	25.2	4.3	12.8	9.2
Poverty rate ^a					
Very low	23.9	38.7	9.3	18.0	12.2
Low	16.7	23.3	4.6	11.8	7.6
Medium	15.1	19.2	3.5	9.7	6.5
High	15.1	19.7	2.9	6.2	4.0

NA = not available

AP = Advanced Placement; IB = International Baccalaureate

^aStudents eligible for national free/reduced-priced lunch program: very low = $\leq 5\%$, low = 6–25%, medium = 26–50%, and high = 51–100%.

NOTES: AP and IB courses coded separately in 1998 and 2000 but not in prior years. AP/IB calculus courses appear in two columns: alone in their specific column and along with other calculus courses in any-calculus column.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Assessment of Educational Progress, 1990, 1994, 1998, and 2000 High School Transcript Studies.