



APPENDIX TABLE 1-22 

Highest-level mathematics course enrollment of high school completers, by gender and socioeconomic status within race or ethnicity: 2013

(Percentage distribution)

Student and family characteristic	Algebra 1 or lower	Geometry	Algebra 2	Trigonometry or other	Pre-calculus	Calculus or higher
All students	2.9	7.8	24.4	23.8	21.8	19.3
White						
Lowest fifth SES	8.0	8.6	37.2	23.6	14.8	7.8
Middle three-fifths SES	3.6	8.0	25.4	23.7	22.3	17.1
Highest fifth SES	0.5	2.6	10.5	18.6	30.2	37.6
Black						
Lowest fifth SES	3.5	4.1	32.4	38.5	18.5	3.1
Middle three-fifths SES	2.3	5.3	27.3	34.7	21.0	9.3
Highest fifth SES	0.5	4.8	15.2	33.4	23.9	22.2
Hispanic ^a						
Lowest fifth SES	3.2	18.6	23.7	25.6	17.0	11.9
Middle three-fifths SES	3.1	11.2	29.0	23.8	18.5	14.5
Highest fifth SES	0.6	7.2	18.6	16.6	31.9	25.1
Asian						
Lowest fifth SES	0.0	8.0	19.2	16.9	25.8	30.0
Middle three-fifths SES	1.4	1.7	12.4	18.5	20.9	45.1
Highest fifth SES	0.0	1.9	4.8	6.3	24.3	62.7
Other ^b						
Lowest fifth SES	s	s	s	s	s	s
Middle three-fifths SES	2.8	16.5	39.3	13.0	14.0	14.5
Highest fifth SES	s	s	s	s	s	s
Two or more races						
Lowest fifth SES	8.5	7.1	47.2	18.0	15.0	4.3



Student and family characteristic	Algebra 1 or lower	Geometry	Algebra 2	Trigonometry or other	Pre-calculus	Calculus or higher
Middle three-fifths SES	2.6	8.5	32.0	26.7	17.1	13.2
Highest fifth SES	1.1	6.1	17.4	23.9	21.4	30.1
White						
Male	4.0	7.6	22.0	21.8	22.2	22.5
Female	2.3	5.6	22.5	22.6	25.6	21.4
Black						
Male	2.9	7.1	26.1	37.8	17.5	8.5
Female	1.9	3.3	30.8	32.2	22.5	9.3
Hispanic						
Male	3.9	15.0	27.3	23.6	18.2	12.0
Female	2.2	11.4	26.4	23.4	19.6	17.0
Asian						
Male	0.9	4.2	11.3	11.5	19.5	52.6
Female	0.4	0.7	9.3	15.6	25.8	48.1
Other						
Male	2.1	12.6	44.2	16.9	15.3	9.0
Female	3.4	9.0	43.4	14.7	10.1	19.4
Two or more races						
Male	3.9	9.0	26.9	24.7	17.9	17.7
Female	2.3	7.3	34.5	25.4	17.8	12.8

s = suppressed for reasons of confidentiality and/or reliability.

SES = socioeconomic status.

^a Hispanic may be any race. Asian, black or African American, white, and other races refer to individuals who are not of Hispanic origin.

^b Other includes Alaska Native, American Indian, Native Hawaiian, Pacific Islander, and those having origins in a race not listed.

Note(s)



Percentages may not add to total because of rounding. Trigonometry or other includes trigonometry, probability and statistics, and other advanced mathematics. Calculus or higher includes calculus, Advanced Placement or International Baccalaureate (AP/IB) calculus, and other AP/IB mathematics. SES is a composite variable derived from parental education level, parental occupation, and family income. The quintile measure divides the SES distribution into five equal quintile groups. Quintile 1 corresponds to the lowest one-fifth of the population, and quintile 5 corresponds to the highest. For this report, the middle three quintiles are combined into one category.

Source(s)

National Science Foundation, National Center for Science and Engineering Statistics, special tabulations (2016) of High School Longitudinal Study of 2009 (HLS:09), National Center for Education Statistics.

Science and Engineering Indicators 2018