

Appendix table 1-8

Highest-level mathematics course in which ninth graders enrolled, by student and family characteristics: 2009

(Percent distribution)

Student and family characteristic	No mathematics	Basic mathematics/ pre-algebra ^a			Other advanced mathematics ^b		
		Algebra 1	Geometry 1	Algebra 2	Algebra 2	Algebra 2	Algebra 2
All grade 9 students	10.3	9.0	52.1	21.3	5.9	1.4	
Sex							
Male	11.1	9.2	51.7	20.2	6.4	1.5	
Female	9.5	8.8	52.4	22.4	5.5	1.4	
Race or ethnicity							
Asian	7.3	6.6	28.1	41.0	12.7	4.4	
Black	14.1	11.4	56.0	12.0	5.1	1.5	
Hispanic ^c	13.3	8.9	53.1	19.6	4.6	0.6	
Other ^d	9.3	8.7	55.5	19.4	5.4	1.8	
White	8.4	8.6	51.6	23.4	6.4	1.5	
Parents' highest education ^e							
Less than high school	18.4	12.6	46.8	18.3	3.6	0.4	
High school diploma or equivalent	11.9	10.7	55.5	16.5	4.3	1.1	
Associate's degree	8.5	8.9	59.7	17.5	4.4	0.9	
Bachelor's degree	7.1	5.4	46.8	30.4	7.8	2.5	
Master's degree or higher	5.1	4.0	39.8	36.1	12.1	2.9	
Socioeconomic status, by quintile ^f							
Lowest fifth	16.9	12.1	53.3	13.3	3.5	0.9	
Middle three-fifths	9.7	9.8	55.3	19.1	5.0	1.2	
Highest fifth	5.7	3.7	41.3	35.4	11.1	2.8	

^a Basic mathematics includes review/remedial mathematics.^b Other advanced mathematics includes trigonometry, integrated mathematics 2, statistics, analytic geometry, and calculus.^c Hispanic may be any race. American Indian or Alaska Native, Asian, black or African American, Native Hawaiian or Other Pacific Islander, white, and more than one race refer to individuals who are not of Hispanic origin.^d Other includes Alaska Native, American Indian, Native Hawaiian, Pacific Islander, more than one race, and those having origins in a race not listed.^e The highest level of education achieved by either parent.^f Socioeconomic status (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 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 to form one category.

NOTE: Detail may not sum to 100 due to rounding.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, special tabulations (2012) of High School Longitudinal Study of 2009 (HSL:09), National Center for Education Statistics.