

Table 1-8
Highest-level mathematics course in which students in grade 11 enrolled, by student and family characteristics: 2012

(Percentage distribution)

Student and family characteristic	No mathematics	Basic math and algebra 1	Geometry 1	Algebra 2	Trigonometry, calculus, and other advanced math ^a
All students	11.3	7.7	12.1	33.5	35.4
Sex					
Male	11.5	8.4	13.5	32.7	34.0
Female	11.2	7.0	10.7	34.4	36.8
Race or ethnicity					
White	10.6	7.2	10.1	32.8	39.3
Black	15.7	8.2	11.3	35.1	29.7
Hispanic ^b	11.0	8.5	18.2	34.3	27.9
Asian	5.9	3.1	5.3	22.4	63.5
Other	11.9	9.5	12.8	38.4	27.6
Parents' highest education ^c					
Less than high school	15.1	16.5	17.8	26.6	24.0
High school diploma or equivalent	14.5	10.1	14.7	34.3	26.3
Associate's degree	12.1	8.7	16.5	34.6	28.0
Bachelor's degree	10.6	6.7	12.4	37.1	33.2
Master's degree or higher	7.9	4.6	6.5	27.8	53.1
Highest mathematics course in grade 9					
No mathematics	20.0	10.8	12.9	29.6	26.8
Basic math/pre-algebra	13.4	16.9	27.6	25.4	16.7
Algebra 1	9.9	7.2	14.5	49.3	19.0
Above algebra 1	10.0	4.7	2.2	10.2	73.0
Students' educational expectations in grade 9					
High school or less	14.0	12.6	19.8	35.7	18.0
Some college	13.7	11.6	14.8	38.0	21.8
Bachelor's degree	9.8	6.6	10.3	36.2	37.0
Graduate/professional degree	10.1	4.9	7.2	30.6	47.1



Student and family characteristic	No mathematics	Basic math and algebra 1	Geometry 1	Algebra 2	Trigonometry, calculus, and other advanced math ^a
Don't know	11.9	9.3	16.6	36.3	26.1
Control of school in grade 12					
Public	11.6	7.7	12.5	33.6	34.6
Private	2.5	3.5	5.6	36.1	52.2
Socioeconomic status in grade 12 ^d					
Lowest fifth	15.7	12.0	16.3	32.8	23.3
Middle three-fifths	11.3	7.8	12.7	36.0	32.3
Highest fifth	7.4	3.4	6.5	27.2	55.6

^a Includes probability and statistics, trigonometry and pre-calculus, analytic geometry and calculus, and other advanced math.

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

^c The highest level of education achieved by either parent.

^d 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 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.

NOTE: Percentages may not add to total because of rounding.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, special tabulations (2014) of High School Longitudinal Study of 2009 (HSL:09), National Center for Education Statistics. See appendix table 1-9.

Science and Engineering Indicators 2016