



## 2016–17 State High School Mathematics Assessments

Achieve collected from publicly available sources (e.g., state education agency websites) which mathematics assessments states are/will administer statewide in high school in 2016–17.

What changes did states make to mathematics assessments in 2016–17?

**Six states** (AK, CO, IL, MT, NE, and OK) are administering a new mathematics assessment this year. Of these, two states, Colorado and Illinois have selected the redesigned SAT as their statewide assessment, and two others, Montana and Nebraska will be administering the ACT. Alaska and Oklahoma are administering new state-developed assessments this spring.

Which assessments are students taking in 2016–17?

**Twenty-seven states** administer either the ACT or the SAT in high school. Nearly **half of the states (24)** are administering a state-developed assessment in math, and **fifteen states** employ an assessment developed by the Partnership for Assessment of Readiness for College and Careers (PARCC) or Smarter Balanced Assessment Consortium.

- **Seventeen states** will administer the ACT to all high school students this spring. Of these, **4 states** (MT, NE, WI, WY) use the ACT as their only math exam. All others administer the ACT in addition to another statewide test. Ohio provides students the option of taking either the ACT or the SAT. Ohio requires that all students take a college entrance exam in high school, and districts have the option of administering either the ACT or the SAT.
- **Nine states** (CA, HI, ID, ND, OR, SD, VT, WA, WV) will assess students in math using the Smarter Balanced, while **six states** (CO, DC, MD, NJ, NM, and RI) will administer a PARCC assessment in math.
- **Eight states** assess high school students in math using the redesigned SAT. Of these, 7 states, (CO, CT, DE, IL, ME, MI, and NH) use the SAT as their only math assessment. Colorado and Illinois will be administering the SAT for the first time in 2016–17. Rhode Island has made the SAT an optional assessment available to all students.

When do students take these assessments?

**Thirty-eight states** administer a comprehensive (i.e., end of grade) assessment (or assessments) that is administered to all students in a cohort at the same time regardless of the courses the student has taken in high school. **Thirty states** administer a comprehensive assessment in 11<sup>th</sup> grade and **five states** do so in the 10<sup>th</sup> grade. **Twenty-four states** use an end-of-course (EOC) assessment (or assessments) that students take upon completion of the requisite coursework regardless of what grade they are in. **Eleven states** administered *both* an EOC and a comprehensive assessment in math in high school.

Do students have to pass these assessments to graduate?

For the graduating class of 2017, there are **19 states** that have student stake tied to an assessment – 6 states factor student scores into course grades and in 13 states students must pass an assessment to graduate. **Thirty-two states** have no assessment stakes for students in the class of 2017.

A few considerations to keep in mind when reviewing this table:

- As states phase in new assessments, some are introducing the assessments by cohort, e.g., the class of 2017 (the more common approach for comprehensive assessments), and others are introducing the assessments by school year, e.g., students who take an Algebra I course in 2016–17 take the Algebra I assessment, regardless of what year they will graduate (the more common approach for end-of-course assessments).
- In states that administer EOC assessments, the expectation is that a student will take the EOC assessment when the student completes the course. In other words, students take the appropriate EOCs for the ELA and mathematics courses in which the student is enrolled. In states where assessments are classified as “only students who elect to take the course,” the course itself is not a graduation requirement, but the state administers a statewide assessment for students who elect to enroll in the course.
- Regarding student stakes, states have different policies for how much such tests matter for students or whether there are stakes attached. Most commonly, students are either required to achieve a passing score on an assessment or suite of assessments to graduate or the assessment results are factored into a student’s course grade. Almost all states that require students to achieve a passing score to graduate offer students alternate routes to meeting the requirement if they are unable to meet the passing score on the assessments.



	2016–17 High School Math Assessments	Grade taken	Which students take the assessment	Student stakes (Factors into course grades OR students must pass assessment to graduate)	Change from 2015–16 to 2016–17	Additional Notes
AL	ACT QualityCore Algebra I EOC	EOC	Optional Assessment	No	No	<b>Assessment Administration:</b> This is the last year of administration for QualityCore EOCs. ACT has made the decision to retire ACT QualityCore end-of-course assessments at the end of the 2016-2017 school year.
	ACT plus Writing	Grade 11	All students	No	No	
AK	Performance Evaluation for Alaska's Schools (PEAKS)	Grades 9 and 10	All students	No	Yes	<b>Assessment Administration:</b> The law that made taking the SAT, ACT, or WorkKeys a requirement for receiving a high school diploma expired June 30, 2016. <a href="#">Source</a>
AZ	AzMERIT EOC in Algebra 1	EOC	All students	No	No	
	AZMERIT EOC in Geometry	EOC	All students	No	No	
	AzMERIT EOC in Algebra 2	EOC	All students*	Only students who elect to take the course	No	
AR	ACT Aspire Early High School	Grades 9 and 10	All students	No	No	
	ACT	Grade 11	Optional Assessment	No	No	
CA	California Assessment of Student Performance and Progress (CASPP) Smarter Balanced (Mathematics)	Grade 11	All students	No	No	
CO	PSAT	Grade 10	All students	No	No	<b>Assessment administration:</b> SAT becomes the 11th grade assessment in 2016-17. Students take the PARCC assessment aligned with the mathematics course they take in Grade 9.
	PARCC Algebra I/Integrated I EOC	Grade 9	Students who have completed the course	No	No	
	PARCC Geometry/Integrated Mathematics II EOC	Grade 9	Students who have completed the course			
	PARCC Algebra II/Integrated Mathematics III EOC	Grade 9	Students who have completed the course			
	SAT	Grade 11	All students	No	Yes	
CT	SAT	Grade 11	All students	No	No	
DC	PARCC Algebra I/Integrated I	EOC	Local Option	No	No	
	PARCC Geometry/Integrated	EOC	All Students	No	No	
	PARCC Algebra II/Integrated	EOC	Local Option	No	No	
DE	Algebra II/Integrated Math III EOC	EOC	Local Option	No		



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	SAT	Grade 10	All students	No		
	PSAT	Grade 11	All students	No		
<b>FL</b>	FSA Algebra I EOC	EOC	All students	Yes	No	<p><b>Student stakes:</b> Florida students must pass the Algebra I EOC to graduate. Regarding the Algebra I EOC, all students taking the FSA Algebra I EOC in spring 2015 will receive a score linked to the previous Algebra I EOC passing score to determine if they met the graduation requirements. After spring 2015, only students who took the Algebra I course aligned to the NGSSS and need to achieve a passing score will take the NGSSS Algebra I EOC retake. All other students will take the FSA Algebra I EOC. Source. All students who take an Algebra II course must take the EOC, but only those graduating with a Scholar Designation must pass the Algebra II EOC. Beginning with students entering grade 9 in 2014-15, to qualify for a scholar diploma designation on a standard high school diploma, a student must earn a passing score on the Grade 11 ELA, Geometry and Algebra II EOCs (as well as Biology and U.S. History).</p>
	FSA Geometry EOC	EOC	Only students who elect to take the course	Yes	No	
	FSA Algebra II EOC	EOC	Only students who elect to take the course	Yes	No	
<b>GA</b>	Georgia Milestones Assessment System Coordinate Algebra or Algebra I EOC	EOC	All students	Factored into course grade	No	
	Georgia Milestones Assessment System Analytic Geometry or Geometry EOC	EOC	All students	Factored into course grade	No	
<b>HI</b>	Smarter Balanced (Mathematics)	Grade 11	All students	No	No	
	Algebra I EOC	EOC	Optional Assessment	Factored into course grade	Yes	
	Algebra II EOC	EOC	Optional Assessment	Factored into course grade	Yes	
	ACT plus writing	Grade 11	All students	No	No	



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<b>ID</b>	Idaho Standards Achievement Tests (ISATs) (Smarter Balanced)	Grade 10	All students	See note	No	<b>Student stakes:</b> Idaho was phasing in a passing score on the high school assessment that would be required for students to graduate. In November 2016, the State Board of Education decided that students will not be required to pass it this year, or in the future. This rule, once passed by the Board must be approved by the legislature to take effect. The legislature will weigh in on this in the spring session.
<b>IL</b>	SAT	Grade 11	All students	No	Yes	<b>Assessment Administration:</b> SAT becomes the new high school assessment in 2016-17.
<b>IN</b>	Indiana Statewide Testing for Educational Progress Plus (ISTEP+) aligned to Indiana State Standards ECA in Grade 10 Mathematics	Grade 10	All students	Passing score required to graduate beginning with grade 10 students in 2016-17	Yes	
<b>IA</b>	Iowa Assessments (Mathematics)	Grade 11	All students	No	No	<b>Assessment administration:</b> The Iowa Department of Education’s work to transition the state’s schools to the Smarter Balanced Assessments has been temporarily put on hold. The Iowa Legislature this season plans to re-examine the issue of state assessments.
<b>KS</b>	Kansas Assessment Program (KAP) – Mathematics	Grade 10	All students	No	No	
<b>KY</b>	K-PREP ACT QualityCore	EOC	All students	Score factored into course	No	<b>Student stakes:</b> The Kentucky Board of Education has recommended the EOC test results be used as 20 percent of a student’s final grade in the course, as determined by local policy. Regulation requires each school district that includes EOC test results as less than 20 percent report to the percentage used to the Kentucky Department of Education and provide justification for the decision. <a href="#">Source</a>  <b>Career Ready Assessment:</b> ACT WorkKeys or KOSSA are optional for the state accountability system, but students on a career pathway may be required to participate in one or more of these assessments due to local policy. One of two Career Readiness assessments are required.
	ACT	Grade 11	All students	No	No	
	ACT WorkKeys or KOSSA	High School	Local Option	No	No	
<b>LA</b>	Algebra I EOC	EOC	All students	Score factored into course	No	<b>Student stakes:</b> EOCs comprise between 15 percent and 30 percent of the student’s final grade in the subject. To earn a standard high school diploma, students must earn a score of Fair or above on three EOCs, including one in each category
	Geometry EOC	EOC	Only students who elect to	Score factored into course	No	
	ACT	Grade 11	All students	No	No	



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	ACT WorkKeys	Grade 11	Primarily for students in grade 11 who are on track for a Jump Start Diploma	No	No	— Algebra I or Geometry, English II or English III, and Biology or U.S. History. <a href="#">Source</a>
ME	SAT	Grade 11	All students	No	No	
MD	PARCC Algebra I EOC	EOC	All students	Passing score required to graduate beginning with class of 2017	No	<b>Student stakes:</b> In April 2016, the SBOE voted to phase in new high stakes graduation requirements. Under the proposal, the class of 2017 would have to earn a passing score (level 3) to graduate. The minimum score required to graduate would increase every year, leveling off at a level 4 for the class of 2020. This proposal will be open for public comment prior to final approval. <a href="#">Source</a>
	PARCC Geometry EOC	EOC	Only students who elect to	No	Yes	
	PARCC Algebra II EOC	EOC	Only students who elect to take the course	No	No	
MA	Massachusetts Comprehensive Assessment System (MCAS) - Math	Grade 10	All students	Passing score required to graduate	No	<b>Student stakes:</b> All Massachusetts high school students through at least the class of 2019 must continue to pass the grade 10 high school MCAS tests in ELA and Mathematics to satisfy the state graduation requirement.
MI	Michigan Merit Exam (MME) (SAT with Essay, ACT WorkKeys)	Grade 11	All students	No	No	<b>Assessment administration:</b> The Michigan Merit Examination (Grade 11) is comprised of the SAT with Essay, ACT WorkKeys, and M-STEP summative assessments science and social studies. <a href="#">Source</a>  MME (specifically SAT in ELA and math) replaces Smarter Balanced.
	PSAT (PreSAT)	Grades 9 and 10	All students	No	No	
MN	Minnesota Comprehensive Assessments (MCA) math	Grade 11	All students	No	No	
MS	Mississippi Assessment Program (MAP) - Algebra I	EOC	All students	Yes	No	<b>Student Stakes:</b> Starting in the 2016-2017 school year, SATP scores will constitute 25 percent of a student's final grade in the applicable course. <a href="#">Source</a>
	ACT	Grade 11	All students	No	No	
MO	Algebra I EOC	EOC	All students	No	No	<b>Assessment administration:</b> For students who complete the Algebra I EOC assessment prior to high school, Algebra II is the required high school mathematics assessment for accountability purposes.
	Geometry EOC	EOC	Local Option	No	No	
	Algebra II EOC	EOC	Local Option	No	No	
	ACT	Grade 11	All students	No	No	
MT	ACT	Grade 11	All students	No	Yes	<b>Assessment Administration:</b> ACT becomes the new high school assessment in 2016-17.
NE	Nebraska State Accountability Tests (NeSA) Mathematics (ACT)	Grade 11	All students	No	Yes	<b>Assessment Administration:</b> ACT becomes the new assessment for Grade 11.



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NV	High School Proficiency Exam in Math (HSPE)	EOC	5th and 6th year seniors	See note	No	<p><b>Student stakes:</b> For the class of 2017, students taking Math I or II will take the Math I or Math II EOC as appropriate for course content.</p> <p>The classes of 2017 and 2018 will need to take the EOCs and no passing scores are required. The Class of 2019 (8th graders this year) and later will be the first class of students required to receive a passing score on the EOCs, which will be set by the SBOE.</p>
	Math I EOC (focus on algebra I)	EOC	All students	See note	No	
	Math II EOC (focus on geometry)	EOC	All students	See note	No	
	Integrated Mathematics I	EOC	All students	See note	No	
	Integrated Mathematics II	EOC	All students	See note	No	
	ACT plus Writing	Grade 11	All students	No	No	
NH	SAT	Grade 11	All students	No	No	<p><b>Assessment Administration:</b> NH also has approval for their PACE pilot assessment program.</p>
NJ	PARCC Algebra I EOC	EOC	All students	See note	No	<p><b>Student stakes:</b> For the classes of 2016, 2017, 2018, and 2019, students will be able to satisfy the state requirements of demonstrating proficiency in math in several ways. For math, students may achieve a passing score on PARCC Algebra I, Geometry or Algebra II <i>or</i> achieve a passing score on a Substitute Competency Test <i>or</i> meet the criteria of the NJDOE Portfolio Appeal. Additional guidance can be found <a href="#">here</a>.</p>
	PARCC Geometry EOC	EOC	All students	See note	No	
	PARCC Algebra II EOC	EOC	All students	See note	No	
NM	PARCC Algebra I EOC	EOC	All students	See note	No	<p><b>Assessment Administration:</b> Students in grades 9–11 must take the PARCC math test that aligns to the course in which they are enrolled, with the following exception: students concurrently enrolled in two PARCC aligned math courses must take one PARCC test but may take both.</p> <p><b>Student stakes:</b> In order to receive a standard diploma, students must pass: PARCC Algebra II with at least a score of 725 (Performance Level 3) or PARCC Geometry with at least a score of 725 (Performance Level 3) or PARCC Integrated Mathematics II with at least a score of 725 (Performance Level 3) or PARCC Integrated Mathematics III with at least a score of 725 (Performance Level 3).</p>
	PARCC Geometry/Integrated Mathematics II EOC	EOC	All students	See note	No	
	PARCC Algebra II/Integrated Mathematics III EOC	EOC	All students	See note	No	
NY	Regents Algebra I Exam (Common Core)	EOC	See note	Passing score required to graduate	No	<p><b>Assessment Administration:</b> The final administration of the Regents Examination in Algebra 2/Trigonometry (2005 Standard) will be in January 2017.</p>
	Regents Algebra II Exam (Common Core)	EOC	See note	See note	No	



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	Regents Geometry Exam (Common Core)	EOC	See note	See note	No	<p>For mathematics, any student who in the 2013-14 school year or thereafter, regardless of grade of enrollment, begins his or her first commencement-level math course culminating in a Regents Exam in June 2014 or thereafter must take the New York State CCLS mathematics Regents Exam that corresponds to that course, as available, and be provided with Common Core instruction. Most typically, this first course will be Algebra I (Common Core). Those students who began or will complete an Integrated Algebra, Geometry, or Algebra 2/Trigonometry course prior to the 2013-14 school year must take the corresponding Regents Exams aligned to the Mathematics Core Curriculum (Revised 2005), while those examinations are still being offered.</p> <p><b>Student stakes:</b> For students who entered grade 9 in 2011 or thereafter, all students must take and pass five Regents exams in ELA, math, social studies, and science.</p>
	Regents Algebra II/Trigonometry (2005 standards)	EOC	See note	See note	No	
<b>NC</b>	North Carolina READY CCSS-aligned EOC in Math I	EOC	All students	Score factored into course grade	No	
	PreACT	Grade 10	All students	No	Yes	
	ACT	Grade 11	All students	No	No	
	ACT WorkKeys	Grade 11	Seniors who are Career and Technical Education (CTE) concentrators			
<b>ND</b>	North Dakota State Assessment (NDSA) Smarter Balanced (Mathematics)	Grade 11	All students	No	No	<p><b>Assessment Administration:</b> All students must take either the ACT or ACT WorkKeys prior to graduation.</p>
	ACT/WorkKeys	Grade 11	All students	No	No	
<b>OH</b>	Algebra I/Integrated Mathematics I	EOC	All students	See note	No	<p><b>Student stakes:</b> Beginning with the Class of 2018, students in Ohio earn points toward graduation on seven end-of-course exams: English I and II, Algebra I/Integrated Math I, Geometry/Integrated Math II, physical science, American history and American government. With few exceptions, students must accumulate a minimum number of points from scores on their end of course exams to become eligible for a diploma. <a href="#">Source</a>.</p>
	Geometry/Integrated Mathematics II	EOC	All students	See note	Yes	



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<b>OK</b>	Oklahoma School Testing Program (OSTP) Grade 10 assessment in mathematics	Grade 10	All students	No	Yes	<b>Assessment Administration:</b> Oklahoma School Testing Program (OSTP) replaces the End of Instruction (EOI) exams in 2016-17.
<b>OR</b>	Smarter Balanced (Mathematics)	Grade 11	All students	Passing score required to graduate (see note)	No	<b>Student stakes:</b> In Oregon, there are multiple ways students may demonstrate the Essential Skills graduation requirements; students are not required to pass the state test (Smarter Balanced) in order to graduate, though achieving a passing score on these statewide assessments is one way to fulfill the requirements. <a href="#">Source</a>
<b>PA</b>	Keystone Exam in Algebra I	EOC	All students	No – see note	No	<b>Student stakes:</b> Gov. Wolf signed SB 880 (2016), which delays using the Keystone Exams in Literature, Algebra I and biology to graduate until the class of 2019. Previously, the stakes were to begin with class of 2017.
<b>RI</b>	PARCC Algebra I EOC	EOC	Only students who elect to take the course	No	No	
	PARCC Geometry EOC	EOC	Only students who elect to take the course	No	No	
	PARCC Algebra II EOC	EOC	Only students who elect to take the course	No	No	
	SAT	Grade 11	Optional	No	Yes	
	PSAT	Grade 10	Optional	No	Yes	
<b>SC</b>	End of Course Examination Program (EOCEP) in Algebra I	EOC	All students	See note	No	<b>Student Stakes:</b> EOCEP examination scores count 20 percent in the calculation of the student’s final grade in gateway courses. Defined gateway courses currently include the following courses or courses with other names and activity codes in which the same academic standards are taught: Algebra 1, Intermediate Algebra, Biology 1, English 1, and United States History and the Constitution.
	ACT	Grade 11	All students	No	No	
	ACT WorkKeys	Grade 11	All students	No	No	
<b>SD</b>	Smarter Balanced (Mathematics)	Grade 11	All students	No	No	
<b>TN</b>	Algebra I/Integrated Math I EOC	EOC	All students	District option whether to factor score into course grade	Yes	<b>Student stakes:</b> S 285/HB 36 (2015) removes the requirement that grading policies of local boards of education must include student scores in a TCAP subject area as part of the student’s grade in that subject area; permits a local board to have such policy if it so desires.
	Geometry/Integrated Math II EOC	EOC	All students	District option whether to factor score into course	Yes	





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	Algebra II/Integrated Math III EOC	EOC	All students	District option whether to factor score into course	Yes	
	ACT	Grade 11	All students	No	No	
<b>TX</b>	STAAR EOC in Algebra I	EOC	All students	Passing score required to graduate	No	
	STAAR EOC in Algebra II	EOC	District option	No	No	
<b>UT</b>	SAGE EOC in Secondary (Integrated) Math I	EOC	All students	No	No	
	SAGE EOC in Secondary (Integrated) Math II	EOC	All students	No	No	
	SAGE EOC in Secondary (Integrated) Math III	EOC	All students*	No	No	
	ACT	Grade 11	All students	No	No	
<b>VT</b>	Smarter Balanced (Mathematics)	Grade 11	All students	No	No	
<b>VA</b>	Algebra I SOL	EOC	All students	Passing score required to graduate	No	<b>Student stakes:</b> To graduate with a Standard Diploma, students must earn at least six verified credits by passing end-of-course SOL tests or other assessments approved by the State Board of Education, which must include two verified credits in English and one verified credit in math. Students who earn an Advanced Studies Diploma must earn at least nine verified credits, including two verified credits in English and two verified credits in math.
	Geometry SOL	EOC	Only students who elect to	See note	No	
	Algebra II SOL	EOC	Only students who elect to take the course	See note	No	
<b>WA</b>	Smarter Balanced (Mathematics)	Grade 11	All students	See note	No	<b>Student stakes:</b> EOC exams in Algebra 1/Integrated Math 1 and Geometry/Integrated Math 2 are based on previous Washington State Learning Standards in math. EOC exit exams are based on updated Washington State Learning Standards (Common Core), beginning in school year 2014-15. These EOC assessments are available through the class of 2018 as one way for students to meet the state’s high-stakes graduation requirement in math.
	Algebra I/Integrated I EOC Exit Exam based on the CCSS	EOC	All students	See note	No	Beginning with the class of 2019, the state will use the



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	Geometry/Integrated Math II EOC Exit Exam based on the CCSS	EOC	All students	See note	No	Smarter Balanced exam for graduation.
<b>WV</b>	West Virginia General Summative Assessment (includes the Smarter Balanced assessments in mathematics)	Grade 11	All students	No	No	
<b>WI</b>	ACT Aspire Early High School	Grades 9 and 10	All students	No	No	
	ACT plus Writing	Grade 11	All students	No	No	
<b>WY</b>	ACT Aspire Early High School	Grades 9 and 10	All students	No	No	
	ACT plus Writing	Grade 11	All students	No	No	

Source: These data are based on the Achieve’s ongoing monitoring of states’ academic standards, graduation requirements, assessments and accountability systems. Updates to the table will be made on an ongoing basis as states’ assessments and related policies evolve.

\*All students in these states are automatically enrolled in a math course sequence that includes Algebra II, but with parental permission a student may modify (i.e., lessen) the Algebra II/Integrated Math III requirement or its equivalent course content or opt into another state diploma that includes a different set of course requirements that does not include Algebra II/ Integrated Math III. Students in these states who modify the math requirement will not be assessed using the Algebra II/Integrated Math III EOC (if one exists in the state).