



## Algebra I EOC 8<sup>th</sup> Grade

---

### Algebra I Testing in 8<sup>th</sup> Grade

- Increase access to Algebra I content for all middle school students
- Increased focus and alignment of curriculum
- Eliminate double testing of our students in both Algebra I and 8<sup>th</sup> Grade MAP
- Right test at the right time

### Key Information

- The MSIP 5 DRAFT APR includes data from the 2010, 2011 and 2012 assessments that is consistent with the Department's Algebra Policy. Therefore, data from those assessment years will not include a duplicated count if the student took both the grade level and EOC assessment. The grade level results are removed so that appropriate annual progress can be calculated.
- Scores from all mathematics assessment will be reported in total rather than by grade span for the MSIP 5 DRAFT APR.

## Algebra I EOC 8<sup>th</sup> Grade Questions

---

- 1. The A+ program now requires a student to score proficient or advanced on the Algebra I EOC in order to be eligible for A+. May a student take the EOC each semester until they pass the test? If a student takes the Algebra I EOC multiple times, will their score count for our school each time?**

A student may take the Algebra I EOC multiple times for A+. A district will need to submit a letter of appeal to have the additional score(s) removed from accountability. If testing is done in different school years, then both scores count – unless a letter of appeal is submitted. If testing is done in the same school year, then the last score is used.

- 2. We have students who took the Algebra I EOC as sixth graders at the elementary building. Will those students continue with Geometry and Algebra II testing at the middle levels?**

Students who have previously taken the Algebra I EOC will take the test most appropriate to the content they are provided in the middle school/junior high level. If students who took the Algebra I EOC as a sixth grader and are subsequently provided with either Geometry or Algebra II content, they would participate in the appropriate EOC.

- **What tests will they take at the high school in order to be compliant with federal/state testing regulations?**

Proficient Algebra I in middle school + Algebra II in high school

Proficient Algebra I and Geometry in middle school + Algebra II in high school

Proficient Algebra I, Geometry and Algebra II in middle school + plan from district

- 3. If a student takes the EOC and not the GLA, will that hurt the middle school accountability scores since the Algebra I test takers are our most advanced students?**

The achievement levels, regardless of the test type, from all tests administered in the building will be used for the building report. Scores for 2010, 2011 and 2012 will be adjusted to remove the duplicated count for the Annual Performance Report. The MSIP 5 DRAFT APR will include

data from the 2010, 2011 and 2012 assessments that is consistent with the Department's Algebra Policy. Therefore, data from those assessment years will not include a duplicated count if the student took both the grade level and EOC assessment.

4. **Will the Department no longer “bank” Algebra I EOC’s taken at the elementary/middle school level? Based on the administrative memo, it appears that accountability will be at the middle school level. Is this correct?**

The Department is no longer required to bank the scores if a student takes the Algebra I EOC prior to high school the score will be reflected in the district APR and in the building level APR where instruction occurred.

5. **Our 8<sup>th</sup> grade Algebra I students will take the EOC and NOT the 8<sup>th</sup> grade math GLA. Will our performance report show achievement levels as a whole math group, or 8<sup>th</sup> grade math levels and then EOC levels?**

Both the EOC and GLA will be included in the MSIP 5 Academic Achievement Standard. The building level APR and supporting data will provide data for all assessments administered at that building.

Example Calculation, 6-8 Building, 120 Students

**Test Results**

	GLA				MAP A				Algebra I EOC			
	BB	B	P	A	BB	B	P	A	BB	B	P	A
<b>Grade 6</b>	6	8	10	15				1				
<b>Grade 7</b>	10	10	10	6								4
<b>Grade 8</b>	3	4	12	0						1	8	12
<b>Total</b>	19	22	32	21				1		1	8	16

**Building MPI**

Point Value	# of Students	# of Students x Point Value	MPI Calculation and Percent Proficient
<b>1 (BB)</b>	19	1 x 19	19
<b>3 (B)</b>	23	3 x 23	69
<b>4 (P)</b>	40	4 x 40	160
<b>5 (A)</b>	38	5 x 38	190
<b>Total</b>			433
	<b>MPI</b>		433/120 student = 3.61 x 100 = <b>361</b>
			<b>MPI</b>
	<b>Percent Proficient</b>		78 /120 total students = <b>65%</b>
			<b>Proficient</b>

- 6. I have been told that a student who takes the Algebra I EOC and receives a proficient or advanced can also take the 8th grade math section of the MAP, but doesn't have to take it. However if the student takes the EOC and scores lower, they must take the 8th grade math section of the MAP. Is this true?**

Effective immediately, Local Education Agencies (LEAs) are no longer required to administer both the GLA and EOC assessment in the same accountability year to middle school students attaining competencies in the Algebra I course-level-expectations (CLEs). Instead, the LEA will need to determine which assessment, the GLA or EOC, is the most appropriate measure for each individual student. A middle school student who participates in an EOC and does not score proficient or advanced fulfills the participation requirement for the grade level, and the score is applied for accountability purposes at the middle school and LEA levels. The student would be permitted to retake the EOC when he/she reaches high school.

- 7. Is there a certain percentage of students that must participate in the EOC for our school to get the bonus points for APR? Do you know how many bonus points are possible?**

Bonus points for participation in the Algebra I EOC are not available for the APR.

- 8. Is there a web page that has general information about administering an EOC for 8th grade students? If so, can you send me the link.**

Information about administering an EOC assessment is available on the Department's website: <http://www.dese.mo.gov/divimprove/assess/>. For additional information on administering of EOC assessments to middle schools/junior high schools, please contact the Office of College and Career Readiness, Assessment Section at 573.751.3545.

- 9. As a small K-8 district with only 3 eighth grade students, I want to clarify whether or not the eighth grade students will need to participate in both the Algebra I EOC and the Grade Level Assessment.**

Standard 3 for MSIP 5 requires high school readiness in K-8 districts which includes the percent of students who earn a proficient score on one or more of the high school end-of-course assessments while in elementary school. The Algebra I EOC has the highest percentage of test takers prior to high school, but any end-of-course assessment could be given. If a student takes the Algebra I EOC that student does not take the grade level math MAP test.

- 10. Does the guidance provided in the Administrative Memo mean we cannot give both tests to students in the 8<sup>th</sup> grade?**

That is correct, the district determines which test is appropriate for the student, either the Algebra I EOC or the Grade Level Assessment.

- 11. If the student does not receive a proficient or advanced score on the EOC in 8<sup>th</sup> grade, and he/she takes it again as a freshman, does the score count for accountability purposes for the high school?**

If the student does not receive a proficient or advanced score in the 8<sup>th</sup> grade, they may take the test again in high school for accountability purposes. Accountability for the test applies when he/she takes the test.

**12. A student who takes the Algebra I EOC in 8<sup>th</sup> grade may or may not have been in an Algebra class. If he/she was not in an Algebra class and scored below proficient on the EOC, takes Algebra I in high school and passes the EOC, will the high school receive credit for accountability purposes?**

The student's score would be counted in the district's accountability for the years the student was assessed. The building level APR and supporting data will provide data for all assessments administered at that building.

**13. What happens to our last year's eight graders scores who took the EOC? Will they be added to this year's EOC score along with our current 8th graders.**

Algebra I EOC scores from the prior year were only banked for AYP purposes. Eighth grade students from the prior year were already counted for APR accountability.

**14. Will a student who performs at the basic level on the Algebra I EOC generate an equal or higher MPI score than an 8th grader scoring proficient on the 8th grade GLA?**

No, for all MAP test scores the performance index is below:

Achievement Level	Point Value
Below Basic	1
Basic	3
Proficient	4
Advanced	5

- **If not what is my incentive to push the 8th grade "B" student into Algebra I and risk him or her not scoring proficient on the EOC when I can keep him or her in regular 8th grade math and he/she will most likely score proficient or advanced on the 8th GLA. For accountability purposes not allowing the best students to take both tests is creating a risk for the district as well as creating problems with parents when we don't allow the Algebra I student to try on the EOC for fear of not making at least proficient.**

The accountability system is meant to reflect the content area given to a particular student, provide feedback to the district and provide opportunities for all students.

All districts will be working under the new policy with 2010, 2011 and 2012 data adjusted to reflect the new criteria (removing duplicated scores), so appropriate progress can be shown/earned in a district. In the summary APR, mathematics 3rd grade through EOC's will reflect in Standard 1 Academic Achievement.