



Arkansas Comprehensive Testing, Assessment, and Accountability Program

REPORT INTERPRETATION GUIDE

Algebra I, Geometry, and Biology End-of-Course Examinations

April 2009 Administration

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Arkansas Department of Education

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INTRODUCTION

The purpose of this *Report Interpretation Guide* is to provide district and school personnel with information on how to interpret and use reports related to the April 2009 administration of the End-of-Course Examinations. This *Report Interpretation Guide* provides general information about the components of the End-of-Course Examinations, describes the purpose of the program, and provides answers to commonly asked questions regarding the program. This guide contains report samples that illustrate student-, school-, and district-level information and gives detailed explanations of the report content. This guide also provides an overview of the performance levels associated with the End-of-Course Examinations. School and district staff can use the results listed as one measure of student ability in the development of educational improvement plans to enhance student performance in the future.

Note: Students with less than one year in a U.S. school who were coded as “LEP student less than one year in the U.S.” will receive individual student reports and will be included on the roster reports but will not be included in any class or school averages or in summary data. Additionally, these students will not be counted in the Adequate Yearly Progress (AYP) calculations for 2009. However, if the student was not coded as “LEP student less than one year in the U.S.,” the student’s scores **will be included** in AYP calculations and will appear on all reports.

OVERVIEW OF THE ACTAAP

The **Arkansas Comprehensive Testing, Assessment, and Accountability Program (ACTAAP)** is authorized under Arkansas Legislative Act 35 to promote the development of the Arkansas *Algebra I* and *Geometry Mathematics Curriculum Frameworks* and the Arkansas *Biology Science Curriculum Framework* as well as the development and use of assessment in accordance with the statewide educational goals. The ACTAAP includes ongoing norm-referenced testing. The ACTAAP also includes criterion-referenced tests specifically developed to measure thinking skills and problem-solving strategies associated with real-life performance expectations for school or work.

The End-of-Course Examinations are criterion-referenced tests that became operational in the 2001–2002 school year for Algebra I and Geometry and in the 2007-2008 school year for Biology. All test questions on the End-of-Course Examinations align with the strands and subject-specific competencies described by the Arkansas *Algebra I* and *Geometry Mathematics Curriculum Frameworks* and the Arkansas *Biology Science Curriculum Framework*. As such, student performance on the End-of-Course Examinations is directly aligned with the statewide frameworks and statewide curriculum goals.

The goals for the ACTAAP are to

- improve classroom instruction and learning;
- support public accountability;
- provide program evaluation data;
- assist policy makers in decision-making.

As the ACTAAP continues to evolve, it will offer

- performance assessment of the core concepts, thinking skills, and problem-solving skills defined by the Arkansas Curriculum Frameworks;
- a variety of testing models, including portfolio assessment and performance tasks, which should encourage greater teacher involvement in the assessment process.

FREQUENTLY ASKED QUESTIONS

The following are commonly asked questions regarding the End-of-Course Examinations and associated answers to these questions. This list of questions has been compiled based on feedback from district staff (e.g., teachers, school and district test coordinators, principals, superintendents). This list is not exhaustive, but the questions listed have been selected due to the number of times they have been asked by a broad cross-section of the Arkansas education community.

1. Who is required to take the End-of-Course Examinations?

The End-of-Course Examinations should be administered to **all** students completing Algebra I or the equivalent, Geometry or the equivalent, or Biology by the end of the spring semester for high school credit who are eligible for testing under standardized conditions, with or without accommodations. A student enrolled in a course of study equivalent to Algebra I or Geometry that sequences the course content over a two-year period must test at the end of the two years, regardless of whether or not the student has completed or passed the course.

2. There is too much testing required by the State. How are teachers supposed to have time for instruction?

The Arkansas Department of Education requires norm-referenced tests and criterion-referenced tests to be administered. A norm-referenced test was administered in 2009 and the End-of-Course Examinations were administered in April 2009. Each End-of-Course Examination requires two days of testing. This test is part of the overall plan for education within the state and is to be used to gauge the success of curricular and instructional change. All other tests given at the district level are at the discretion of the district.

3. Why can't students just take some other test (or use other test results) to demonstrate performance?

The End-of-Course Examinations have been developed to specifically align with the Arkansas *Algebra I* and *Geometry Mathematics Curriculum Frameworks* and the Arkansas *Biology Science Curriculum Framework* in order to evaluate student learning relative to the curriculum being taught within the state. Other tests have been developed as general instruments that are not specific to the Arkansas curriculum. Allowing the use of another instrument, or a variety of instruments, to gauge student performance related to the Arkansas curriculum is not an accurate measure of achievement relative to the state-level goals for education.

For answers to other questions regarding the End-of-Course Examinations, please contact:

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EDUCATIONAL IMPROVEMENT PLANS AND USING THE 2009 END-OF-COURSE EXAMINATIONS RESULTS

MULTIPLE MEASURES FOR DEVELOPING EDUCATIONAL IMPROVEMENT PLANS

In real life, individuals are judged on a multitude of performances on a daily basis. In order to adequately identify, describe, and address specific performance strengths and weaknesses, it is necessary to acknowledge that individual competencies do not spring from a single source. To put it simply, if you want to improve individual performance, you need to identify the areas in which need is apparent. In the educational measurement setting, this has been termed “multiple measures.” The underlying thinking of multiple measures is basic common sense: in order to improve learning, individually or collectively, it is important to be able to examine information from a variety of sources to identify what needs improving and how this can be accomplished. “Multiple measures” are often categorized by classifying each measure as “quantitative” versus “qualitative.” A quantitative measure implies that a number or rating can be associated with the measurement while a qualitative measure implies that the measurement is more decision-based or anecdotal, relying on information and insights provided by an individual or group of individuals. The following describes the types of measurements that might fall into the quantitative versus qualitative categories:

Quantitative

- Criterion-referenced test results (e.g., End-of-Course Examinations)
- Norm-referenced test results
- Classroom test results (current and past)

Qualitative

- Classroom work in the subject area or related subject area (current and past)
- Teacher observations (current and past)
- Any other pertinent student measures related to the subject area and/or to student testing issues

In attempting to develop any plan for educational improvement for an individual student or groups of students, it is necessary to know where you are (establish a baseline), determine where you need to be (establish a goal or end result), determine the path (establish an implementation plan or model), determine how you are going to get there (establish what resources are necessary), and determine how you will know when you have arrived (establish measures of success). In order to develop an educational improvement plan that can be demonstrated to be effective, educators will need to use the quantitative and qualitative information from the sources listed above as well as other resources.

USING THE END-OF-COURSE EXAMINATIONS RESULTS

The reports for the End-of-Course Examinations provide students, teachers, and special program staff with a performance record for students relative to the expectations outlined within the Arkansas *Algebra I* and *Geometry Mathematics Curriculum Frameworks* and the Arkansas *Biology Science Curriculum Framework*. The most important use of these data is to identify students who need remediation in specific areas. The following are suggestions for school and district personnel who are responsible for the assessment and for any school remediation programs:

- Check the reports to find out which students did not perform at a proficient or advanced level. An asterisk listed next to the student’s name on the *Class Roster Report* and the *School Roster Report* shows that the student did not perform at or above the Proficient performance level.
- For those students who did not perform at or above the Proficient performance level, notify the students, parents, and appropriate school personnel.
- Analyze the reports to determine in which skill areas students did not perform well.
- Develop and implement remediation strategies and goals for individuals and groups of students. Analyze previous remediation strategies used with students to determine necessary curricular additions or changes.
- Analyze instructional and curricular approaches to ensure that students are receiving instruction that is in direct alignment with the educational goals and competencies outlined within the Arkansas *Algebra I* and *Geometry Mathematics Curriculum Frameworks* and the Arkansas *Biology Science Curriculum Framework*.

DISSEMINATING THE 2009 END-OF-COURSE EXAMINATIONS RESULTS AND CONCLUSION

DISSEMINATING THE END-OF-COURSE EXAMINATIONS RESULTS

Make a complete and thorough analysis of the results as soon as possible. After the report forms have been received and the results have been reviewed by district staff, disseminate the results to students, parents, teachers, counselors, and others who may play a role in individual student education. The following suggestions may be helpful:

- Make certain that the appropriate teachers and guidance personnel receive the appropriate *Student Report(s)*, *Student Label(s)*, *Class Roster Report(s)*, *School Roster Report*, *School Summary Report*, *School Profile*, and *School Item-by-Item Selections of Correct Answers* report as soon as possible.
- Send the student (home) copy of the *Student Report* with an accompanying letter from the principal emphasizing the importance of the *Student Report*. This will likely generate numerous questions from interested parents. At the next PTA/PTO or other parent meeting, discuss the End-of-Course Examinations results to help parents better understand the results and encourage them to become more involved in any follow-up remediation, if necessary.
- Schedule both individual and group sessions with students to review the *Student Reports* and *Class Roster Reports*.
- Summarize information from the *School Roster Report*, *School Summary Report*, and *School Profile* or, through a newsletter or pamphlet, present information to school board members, school or district advisory committees, parent advisory groups, or other interested individuals.
- Use any other informational materials distributed by the Arkansas Department of Education to further explain and describe the test results.
- Communicate to teachers and guidance counselors, by letter or report, a list of the Algebra I, Geometry, and Biology skills with the lowest performance by students.
- If appropriate, prepare a brief summary of the results and the actions being taken by the school/district to appear in the school news section of the local newspaper(s).

CONCLUSION

The **Arkansas Comprehensive Testing, Assessment, and Accountability Program** is the result of ongoing curriculum and instruction implementation within the state, culminating in the development of criterion-referenced testing instruments that are directly linked with the Arkansas *Algebra I* and *Geometry Mathematics Curriculum Frameworks* and the Arkansas *Biology Science Curriculum Framework*. Improving student performance on the End-of-Course Examinations is contingent upon the curricular and instructional approaches applied within a specific school and district setting. In order to move toward more effective education models, Arkansas has adopted performance standards that promote the success of all citizens. The sort of statewide implementation this undertaking implies is monumental. It requires the concerted effort of schools, districts, and thousands of educators. Moreover, all of this effort will be for nothing without the support of students, parents, and other affected members of the education community. The reports described within this guide are one step toward disseminating information to the community and beginning this concerted effort. The next step is to actively and collectively implement the statewide goals, expectations, and performance standards of the End-of-Course Examinations in order to develop educational improvement plans for individual students and for all students which best serve the citizens of Arkansas.

THE 2009 END-OF-COURSE EXAMINATIONS REPORTS

OVERVIEW OF THE END-OF-COURSE EXAMINATIONS REPORTS

Reports of results for the End-of-Course Examinations are sent to districts to provide information about student performance. Reports are provided separately for Algebra I, for Geometry, and for Biology. Samples of the *Student Report*, *Student Label*, *Class Roster Report*, *School Roster Report*, *School Summary Report*, *School Profile*, and *School Item-by-Item Selections of Correct Answers* report are provided in this guide. A description of each report immediately precedes the report samples.

On the *School Roster Report*, *School Summary Report*, and *School Item-by-Item Selections of Correct Answers* report, students are reported by group. The groups are as follows:

- **Combined Population**—All students for whom answer documents were returned for the April 2009 administration of the End-of-Course Examinations.
- **Combined Population without Highly Mobile** (appears only on the *School Roster Report*)—All students for whom answer documents were returned for the April 2009 administration of the End-of-Course Examinations excluding those students who were identified as having enrolled in the school or moving between schools in the district after October 1, 2008.
- **General Population**—Students who were **not** identified with an ESI code (IEP students), as LEP, and/or as Highly Mobile. Students identified as Gifted and Talented, Monitored Former LEP, and/or as receiving Free and/or Reduced Lunch are included in the General Population report unless they have also been identified with an ESI code (IEP students), as LEP, and/or as Highly Mobile.
- **IEP Students**—Students who were identified with an ESI code (see page 18 for a listing of the ESI categories) which identifies them as participating in a specific educational program. Students who were identified with more than one ESI code are reported in the “Multiple Disabilities” category.
- **LEP Students**—Students who were identified as Limited English Proficient.
- **Monitored Former LEP Students—Year 1**—Students who were identified as Year 1 Monitored Former LEP.
- **Monitored Former LEP Students—Year 2**—Students who were identified as Year 2 Monitored Former LEP.
- **1st Year LEP Students** (appears only on the *School Roster Report*)—Students who are Limited English Proficient and have been in the U.S. less than one year.
- **Gifted and Talented Students**—Students identified as participating in a gifted and talented program.
- **Highly Mobile Students**—Students who were identified as having enrolled in the school or moving between schools in the district after October 1, 2008.
- **Free and/or Reduced Lunch** (not reported on the *School Item-by-Item Selections of Correct Answers* report)—Students who were identified as being eligible for free and/or reduced lunch.
- **Non-economically Disadvantaged** (not reported on the *School Item-by-Item Selections of Correct Answers* report).
- **Non-disabled Students** (not reported on the *School Item-by-Item Selections of Correct Answers* report).

On the Combined Population and General Population summary reports, the groups are further broken down for the following student populations (sub-groups):

- **All Students**—Includes all students in the group that is being reported.
- **Gender**—Results are reported separately for females and males. Students whose demographic information did not include gender or those for whom both options were coded are not reported in this sub-group.
- **Ethnicity**—Results are reported separately for ethnicity (Asian/Pacific Islander, African American, Hispanic, Native American, Caucasian, and Not Indicated). Students whose demographic information did not include ethnicity or those for whom more than one ethnic background code was marked are reported under “Not Indicated.”
- **Gender/Ethnicity**—Results are reported for females within each ethnic group and for males within each ethnic group. Students whose answer documents contained multiple marks for one of the fields or students whose demographic information did not include gender or ethnicity are reported under “Not Indicated.”
- **Migrant**—Results are reported for students in each group who were also identified as migrant.

Student name and birth date, classroom/group name, school and district name, and school and district LEA number information is printed on the reports according to what was coded on the student answer documents, Classroom/Group Information Sheet, and/or School/Course Header Sheet.

Note: The data in the sample reports are for display purposes only and do not represent actual results. Each sample has been prepared independently and is not meant to be tied to any other sample in this *Report Interpretation Guide*. All student names on the samples are fictitious, and any similarity to actual student names is purely coincidental.

STUDENT REPORT

Each school will receive two copies of the *Student Report*, a student (home) copy in color and a school copy in black and white. The *Student Report* is a one-page, two-sided report. Side one provides information specific to the student listed. Side two provides information on how to help the student to achieve and a description of the additional informational resources that are available. A sample of the front side of the *Student Report* is provided on the opposite page.

The *Student Report* provides individual student feedback on how the student performed on the End-of-Course Examination. The following information is provided on side one of the *Student Report*:

- Student information reflects what was coded on the student’s answer document or provided from the student’s APSCN record for student name, grade, and birth date.
- A letter from Dr. T. Kenneth James, Commissioner of Education, introduces the report.
- Scale Score Section (bottom left of report)
 - The four performance levels (Advanced, Proficient, Basic, and Below Basic) and the cut scores associated with Algebra I, Geometry, or Biology are shown. The general definition of each performance level is provided. These definitions are especially helpful for parents in understanding the level at which their student is performing.
 - The student’s scale score and performance level are shown under the performance levels with an arrow showing where the student falls in the scale score. The school, district, and state average scores are also provided and can be used for comparative data.

A student is required to have attained a scale score associated with the Proficient or Advanced performance level in order to be considered performing at an acceptable level. It is important to note that the information listed at the strand level for the student plays an important role in gauging student needs but should not be used as the only measure in determining additional instruction.

- (Raw) Scores by Strand Section (bottom right of report)
 - A table with each strand listed in the left column is provided. The strands are directly aligned with the Arkansas *Algebra I* or *Geometry Mathematics Curriculum Framework* or the Arkansas *Biology Science Curriculum Framework*.
 - The total number of multiple-choice and open-response points for each strand is shown in the last two columns along with the number of raw score points achieved by the student. This information provides insight into specific areas in which the student may need additional instruction. For example, the number of points attained by the student for specific strands may show that the student had greater difficulty with Relationships between Two and Three Dimensions concepts than with the other strands. Also, the list of multiple-choice versus open-response points earned may provide important clues to the student’s needs. For example, a student may have performed adequately on the multiple-choice questions but poorly on the open-response questions indicating that the student may be having trouble responding in this format.
 - A score of “NA” (No Attempt) for an open-response item indicates that the student did not attempt to answer the item and is assigned a score of “0.”
 - A definition and information for scale scores are provided under the (Raw) Scores by Strand table.

STUDENT LABEL

Each school will receive a *Student Label* for each student’s permanent record or transcript kept on file at the school. The *Student Label* includes the student’s total scale score for Algebra I, Geometry, or Biology with the student’s associated performance level for the April 2009 administration of the End-of-Course Examination. A sample of the *Student Label* is provided on the opposite page.

The *Student Label* provides the student’s name, grade, date of birth, and course taken. It also includes the student’s scale score and performance level for the appropriate End-of-Course Examination. This label will be added to the student’s permanent record or transcript as a permanent record of the April 2009 *Algebra I*, *Geometry*, or *Biology End-of-Course Examination* test results.

2009 END-OF-COURSE EXAMINATIONS REPORT DESCRIPTIONS AND SAMPLES

Student Report



**ARKANSAS
DEPARTMENT
OF EDUCATION**



Arkansas Comprehensive Testing, Assessment,
and Accountability Program

**END-OF-COURSE EXAMINATION—GEOMETRY
STUDENT REPORT**

**For the Family of
ASHLEY ADAMS**

Test Date: April 2009
Grade: 9
Birth Date: 07-21-1994
School Name: Arkansas School
(99-99-999)
District Name: Arkansas School District
(99-99)

Dear Family,

Recently, Ashley participated in the Arkansas End-of-Course Examination in Geometry. Skills assessed on this test are based on the Geometry Mathematics Curriculum Framework and are required to be part of any Arkansas instructional program. The Geometry Curriculum Framework describes what Ashley is expected to know and be able to do in Geometry. The End-of-Course Examination in Geometry includes multiple-choice questions as well as open-response questions that require the student to construct a handwritten answer.

This report summarizes Ashley's test results. These results are used by the school to make important educational decisions for Ashley. **Please review these results with Ashley and Ashley's teachers.** Using these test results to guide Ashley in the right academic direction is an important step for ensuring future success.

Sincerely,
T. Kenneth James, Ed.D.
Commissioner of Education

Ashley's Test Results

Geometry Scale Score

250	MEETS STANDARDS	Advanced - Students consistently integrate, apply, and synthesize geometric concepts. These students can correctly formulate generalizations, create models, and communicate their mathematical reasoning through clear, concise use of mathematical symbolism and logical thinking.
200		Proficient - Students consistently integrate and apply geometric concepts to analyze and solve more challenging problems. They demonstrate an understanding of geometric patterns and spatial reasoning. They justify geometric relationships, make conjectures, and defend ideas using proper mathematical language and symbolism.
153	DOES NOT MEET STANDARDS	Basic - Students demonstrate knowledge of geometric concepts and procedures in problem solving. They demonstrate knowledge of geometric relationships and corresponding measurement skills. Basic students partially demonstrate the abilities to apply these skills.
		Below Basic - Students fail to show sufficient mastery of geometric skills to attain the Basic level.

Ashley's score of 248 is at the Proficient Level

School Average Score	230
District Average Score	220
State Average Score	205

Geometry (Raw) Scores by Strand

This table shows the number of points Ashley scored in each of the Geometry strands.	Multiple-Choice	Open-Response
Language of Geometry Students will develop the language of geometry including specialized vocabulary, reasoning, and application of theorems, properties, and postulates.	10 of 12	5 of 8
Triangles Students will identify and describe types of triangles and their special segments. They will use logic to apply the properties of congruence, similarity, and inequalities. The students will apply the Pythagorean Theorem and trigonometric ratios to solve problems in real-world situations.	8 of 12	6 of 8
Measurement Students will measure and compare while using appropriate formulas, tools, and technology to solve problems dealing with length, perimeter, area, and volume.	10 of 12	5 of 8
Relationships between Two and Three Dimensions Students will analyze characteristics and properties of two- and three-dimensional geometric shapes and develop mathematical arguments about geometric relationships.	9 of 12	5 of 8
Coordinate Geometry and Transformations Students will specify locations, apply transformations, and describe relationships using coordinate geometry.	9 of 12	6 of 8

NA = No attempt to answer the item. Score of "0" (zero) assigned for the item.

Ashley's total scores reported for Geometry are scale scores. Scale scores are transformed raw scores. When multiple forms of a test are used, or when results are compared from year to year, scale scores are needed to adjust for possible differences in test form length or difficulty. They are used in numerous national testing programs, including the ACT and SAT examinations, and are routinely used in many other statewide testing programs, providing the basis for long-term, meaningful comparisons of student results across different test administrations. For more information about converting raw scores to scale scores, see the Raw to Scale Score Conversion Tables posted on the ADE website at the Testing link.

Student Label

ACTAAP End of Course Examination Geometry Date of Test: April 2009	
ADAMS, ASHLEY	Grade: 09
DOB: 07-21-1994	Course Taken: Geometry
District: Arkansas School District (99-99)	
School: Arkansas School (99-99-999)	
Scale Score: 248	Proficient

CLASS ROSTER REPORT

Two copies of the *Class Roster Report* will be produced—one copy for the school and one copy for the district. The *Class Roster Report* is a one-sided, single-page or multi-page report depending on the number of students, which provides a list of students and the results for those students who participated in the April 2009 End-of-Course Examination. The class name printed on the report reflects what was coded on the Classroom/Group Information Sheet for classroom/group name. A sample of this report is provided on the opposite page.

The *Class Roster Report* provides school and district staff with information on how students within a specific class or group performed on the End-of-Course Examination. The following information is included on the *Class Roster Report*:

- The four performance levels (Below Basic, Basic, Proficient, and Advanced) are shown to the right of the school information with the associated range of scale scores for Algebra I, Geometry, or Biology.
- All students within the classroom/group are listed in alphabetical order by last name (with their respective birth dates) in the left column with the End-of-Course Examination results for each student provided in the columns that follow. All of the information provided on the individual *Student Report* is also provided for each student on the *Class Roster Report* (e.g., performance level, scale score, strand-level information). Grade and Course Taken* information is also provided.
- Students who did not attain the Proficient or Advanced performance level are indicated with an asterisk next to their names.
- A First Year in a School in the U.S. LEP Student is designated with an “L” following the student’s birth date.
- Following the listing of students, the class average for each strand is provided. Class averages do not include First Year LEP student scores.
- The Mean Scale Scores for the school, district, region, and state are provided and can be used as comparative data.

A student is required to have attained a total scale score associated with the Proficient or Advanced performance level in order to be considered performing at an acceptable level for Algebra I, Geometry, or Biology. Again, it is important to note that the information listed at the strand level for the student can play an important role in gauging student needs but should not be used as the only measure in determining additional instruction.

*Course Taken information is provided for Algebra I and Geometry only.

**END-OF-COURSE EXAMINATION
GEOMETRY
CLASS ROSTER REPORT**

Date of Test: April 2009
Page 1



COURSE TAKEN
1 = Geometry
2 = Geometry A & B
3 = Investigating Geometry
4 = Other

PERFORMANCE LEVEL SCALE SCORE

Below Basic (BEL) 152 and below
Basic (BAS) 153-199
Proficient (PRO) 200-249
Advanced (ADV) 250 and above

District Number: **99-99**
District Name: **Arkansas School District**
School Number: **99-99-999**
School Name: **Arkansas School**
Class Name: **PIERCE**

NA = No Attempt (Zero Score)
NI = Not Indicated
* = Not Proficient in Geometry
- = No course indicated
& = Modified form adapted to Braille

Student Information

Multiple-Choice/Open-Response Points Possible

Student Name	Grade	Course Taken	Performance Level	Geometry Scale Score	Language of Geometry	Triangles	Measurement	Relationships between Two and Three Dimensions	Coordinate Geometry and Transformations
ADCOCK, JASON	11	1	PRO	219	6/4	10/8	6/4	6/4	6/0
ADDLER, KARIE	11	1	PRO	225	7/4	12/6	7/4	7/3	6/2
ANDERSON, MARK *	11	1	BAS	197	3/8	3/0	3/8	3/4	8/NA
BANCROFT, MARY	10	1	PRO	221	7/4	8/6	7/4	7/3	7/2
BEST, COURTLAND *	11	1	BAS	172	5/4	6/0	0/2	5/3	3/0
BIDEN, JEAN *	09	1	BAS	192	3/8	3/6	3/NA	3/3	8/NA
BYRD, JERRY	09	1	PRO	209	7/4	3/0	11/2	7/4	7/2
CANTRELL, MARVIN	11	-	PRO	212	6/4	3/6	10/4	6/4	6/0
DREYFUS, JUSTIN	10	1	PRO	215	5/8	12/NA	5/8	5/3	5/NA
DUNKIRK, BOB	11	1	PRO	248	10/4	10/4	10/4	10/7	10/4
JACKSON, JOHN	11	1	ADV	255	10/5	10/5	10/5	10/7	10/5
KIRK, ELLIOT	10	1	ADV	266	10/6	10/6	10/6	10/8	10/6
SMITH, JILIAN *	11	1	BAS	194	4/0	8/6	4/4	3/2	5/2
VERNON, CODY *	10	1	BAS	177	6/0	3/0	6/4	3/2	6/0
WAYLAND, JOSEPH *	11	1	BAS	153	4/NA	2/6	4/NA	2/0	3/NA
CLASS AVERAGE:				210	6/4	7/4	6/4	6/4	7/2
COMBINED POPULATION:									
GEOMETRY									
School:									
District:									
Region:									
State:									

L: 1st Year LEP Student

Averages do not include the following groups: 1) 1st Year LEP students
The data in the sample reports are for display purposes only and do not represent actual results. Please see note on page 5.

SCHOOL ROSTER REPORT

Two copies of the *School Roster Report* will be produced—one copy for the school and one copy for the district. The *School Roster Report* is a one-sided, multi-page report providing a list of students for whom answer documents were returned for the *Algebra I*, *Geometry*, or *Biology End-of-Course Examination* and the results for those students. The school information printed on the report reflects what was coded on the School/Course Header Sheet for district name, school name, and district/school LEA number. A sample of this report is provided on pages 11–13.

The *School Roster Report* provides school and district staff with information on how all students within a school performed on the End-of-Course Examination. The following information is provided on the *School Roster Report*:

- The four performance levels (Below Basic, Basic, Proficient, and Advanced) are shown to the right of the school information with the associated range of scale scores for Algebra I, Geometry, or Biology.
- Results for students are reported separately by group. See page 5 for a listing and definitions of the groups.
- All students in the school are listed in alphabetical order by last name (with their respective birth dates) in the left column with the End-of-Course Examination results for each student provided in the columns that follow. All of the information provided on the individual *Student Report* is also provided for each student on the *School Roster Report* (e.g., performance level, scale score, strand-level information). Grade and Course Taken* information is also provided.
- Students who did not attain the Proficient or Advanced performance level are indicated with an asterisk next to their names.
- A First Year in a School in the U.S. LEP Student is designated with an “L” following the student’s birth date.
- Following the listing of students within each group, the school average for each strand for that group is provided. School averages do not include First Year LEP student scores.

A student is required to have attained a total scale score associated with the Proficient or Advanced performance level in order to be considered performing at an acceptable level for Algebra I, Geometry, or Biology. Again, it is important to note that the information listed at the strand level for the student can play an important role in gauging student needs but should not be used as the only measure in determining additional instruction.

*Course Taken information is provided for Algebra I and Geometry only.



END-OF-COURSE EXAMINATION
 GEOMETRY
 SCHOOL ROSTER REPORT

Date of Test: April 2009
 Page 1

COURSE TAKEN
 1 = Geometry
 2 = Geometry A & B
 3 = Investigating Geometry
 4 = Other

District Number: 99-99
 District Name: Arkansas School District
 School Number: 99-99-999
 School Name: Arkansas School

PERFORMANCE LEVEL SCALE SCORE
 Below Basic (BEL) 152 and below
 Basic (BAS) 153-199
 Proficient (PRO) 200-249
 Advanced (ADV) 250 and above

NA = No Attempt (Zero Score)
 NI = Not Indicated
 * = Not Proficient in Geometry
 - = No course indicated
 & = Modified form adapted to Braille

GEOMETRY									
GRADE	COURSE TAKEN	PERFORMANCE LEVEL	GEOMETRY SCALE SCORE	Language of Geometry	Triangles	Measurement	Relationships between Two and Three Dimensions	Coordinate Geometry and Transformations	
Student Information									
Multiple-Choice/Open-Response Points Possible									
COMBINED POPULATION									
SCHOOL AVERAGE:									
COMBINED POPULATION WITHOUT HIGHLY MOBILE									
SCHOOL AVERAGE:									
GENERAL POPULATION									
06-11-1992	ADCOCK, JASON	PRO	225	6/4	10/8	6/4	10/4	6/0	
06-11-1992	ADDLER, KARIE	PRO	232	7/4	12/6	7/4	11/4	6/2	
06-02-1992	ANDERSON, MARK *	BAS	188	3/8	2/0	3/8	3/0	8/NA	
06-02-1990	BANCROFT, MARY	PRO	225	7/4	8/6	7/4	11/2	7/2	
07-21-1992	BEST, COURTLAND *	BAS	156	5/4	6/0	0/2	0/2	3/0	
06-02-1991	BIDEN, JEAN *	BAS	186	3/8	3/6	3/NA/A	3/0	8/NA	
06-02-1991	BYRD, JERRY	PRO	212	7/4	3/0	11/2	11/2	7/2	
06-02-1992	CANCRON, MARVIN	PRO	218	6/4	3/6	10/4	10/4	6/0	
06-02-1990	DREYFUS, JUSTIN	PRO	206	5/8	12/NA	5/8	2/0	5/NA	
06-02-1992	DUNKIRK, BOB	PRO	231	10/4	3/4	10/8	10/8	5/NA	
05-12-1992	JACKSON, JOHN	PRO	237	10/5	3/5	10/8	10/8	5/2	
03-22-1990	KIRK, ELLIOT	PRO	245	10/6	3/6	10/8	10/8	8/2	
06-11-1992	SMITH, JILIAN	PRO	213	4/0	8/6	8/4	8/5	5/2	
07-21-1990	VERNON, CODY	PRO	204	6/0	1/0	10/4	10/7	6/0	
06-02-1992	WAYLAND, JOSEPH *	BAS	175	4/NA	2/6	5/NA	5/4	3/NA	
SCHOOL AVERAGE:									
			210	6/4	5/4	7/5	8/4	6/1	

Averages do not include the following groups: 1) 1st Year LEP students

The data in the sample reports are for display purposes only and do not represent actual results. Please see note on page 5.

COURSE TAKEN
 1 = Geometry
 2 = Geometry A & B
 3 = Investigating Geometry
 4 = Other

PERFORMANCE LEVEL SCALE SCORE
 Below Basic (BEL) 152 and below
 Basic (BAS) 153-199
 Proficient (PRO) 200-249
 Advanced (ADV) 250 and above

District Number: **99-99**
 District Name: **Arkansas School District**
 School Number: **99-99-999**
 School Name: **Arkansas School**

NA = No Attempt (Zero Score)
 NI = Not Indicated
 * = Not Proficient in Geometry
 - = No course indicated
 & = Modified form adapted to Braille

Student Information		GEOMETRY							
GRADE	COURSE TAKEN	PERFORMANCE LEVEL	GEOMETRY SCALE SCORE	Language of Geometry	Triangles	Measurement	Relationships between Two and Three Dimensions	Coordinate Geometry and Transformations	
Multiple-Choice/Open-Response Points Possible									
LEP STUDENTS									
	11	1	132	5/2	1/0	5/NA	2/0	0/NA	
			132	5/2	1/0	5/0	2/0	0/0	
SCHOOL AVERAGE:									
MONITORED FORMER LEP STUDENTS - YEAR 1									
	10	1	206	5/8	12/NA	5/8	2/0	5/NA	
			206	5/8	12/0	5/8	2/0	5/0	
SCHOOL AVERAGE:									
MONITORED FORMER LEP STUDENTS - YEAR 2									
	10	1	204	6/0	1/0	10/4	10/7	6/0	
			204	6/0	1/0	10/4	10/7	6/0	
SCHOOL AVERAGE:									
LEP STUDENTS									
	10	1	136	5/NA	1/NA	2/0	3/0	5/NA	
	10	1	143	3/NA	1/0	3/NA	3/NA	8/NA	
			140	4/0	1/0	3/0	3/0	7/0	

Averages do not include the following groups: 1) 1st Year LEP students

L: 1st Year LEP Student

The data in the sample reports are for display purposes only and do not represent actual results. Please see note on page 5.

Date of Test: April 2009
Page 3

**END-OF-COURSE EXAMINATION
GEOMETRY
SCHOOL ROSTER REPORT**



COURSE TAKEN
1 = Geometry
2 = Geometry A & B
3 = Investigating Geometry
4 = Other

PERFORMANCE LEVEL SCALE SCORE
Below Basic (BEL) 152 and below
Basic (BAS) 153-199
Proficient (PRO) 200-249
Advanced (ADV) 250 and above

District Number: **99-99**
District Name: **Arkansas School District**
School Number: **99-99-999**
School Name: **Arkansas School**

NA = No Attempt (Zero Score)
NI = Not Indicated
* = Not Proficient in Geometry
- = No course indicated
& = Modified form adapted to Braille

GEOMETRY									
GRADE	COURSE TAKEN	PERFORMANCE LEVEL	GEOMETRY SCALE SCORE	Language of Geometry	Triangles	Measurement	Relationships between Two and Three Dimensions	Coordinate Geometry and Transformations	
Student Information									
Multiple-Choice/Open-Response Points Possible									
1ST YEAR LEP STUDENTS									
				12/8	12/8	12/8	12/8	12/8	12/8
10	1	PRO	210	6/4	1/0	10/4	10/7	6/0	6/0
SCHOOL AVERAGE:									
			210	6/4	1/0	10/4	10/7	6/0	6/0
GIFTED AND TALENTED STUDENTS									
10	1	PRO	241	10/6	3/6	10/6	10/8	8/2	8/2
SCHOOL AVERAGE:									
			241	10/6	3/6	10/6	10/8	8/2	8/2
HIGHLY MOBILE STUDENTS									
11	1	BAS	192	4/4	2/0	8/4	4/4	5/2	5/1
10	1	PRO	201	6/4	2/0	10/4	6/4	6/0	6/0
11	1	BEL	140	4/NA	1/NA	5/0	4/NA	3/NA	3/NA
SCHOOL AVERAGE:									
			188	5/3	2/0	8/3	5/3	5/1	5/1
FREE AND/OR REDUCED LUNCH STUDENTS									
			177	5/2	1/1	7/2	4/4	4/0	4/0
SCHOOL AVERAGE:									
			207	6/3	3/1	7/2	5/7	5/7	5/7
NON-ECONOMICALLY DISADVANTAGED									
			207	6/3	3/1	7/2	5/7	5/7	5/7
SCHOOL AVERAGE:									
			198	6/4	4/3	7/3	7/3	6/1	6/1
NON-DISABLED STUDENTS									
			198	6/4	4/3	7/3	7/3	6/1	6/1
SCHOOL AVERAGE:									

Averages do not include the following groups: 1) 1st Year LEP students

L: 1st Year LEP Student

The data in the sample reports are for display purposes only and do not represent actual results. Please see note on page 5.

SCHOOL SUMMARY REPORT: OVERVIEW

Each school will receive two copies of the *School Summary Report* and each district will receive one copy of the *School Summary Report* for the schools in the district. The Arkansas Department of Education will also receive one copy of the *School Summary Report*. The *School Summary Report* is a one-sided, multi-page report providing student results aggregated to the school level. Eight groups are reported independently from one another (see page 5 for additional information). The school information printed on the report reflects what was coded on the School/Course Header Sheet for district name, school name, and district/school LEA number.

SCHOOL SUMMARY REPORT: COMBINED POPULATION

The *Combined Population Report* gives the results for **all** students* for whom answer documents were returned for the April 2009 administration of the End-of-Course Examination. A sample is provided on the opposite page.

The *School Summary Report: Combined Population* provides school and district staff with summary information on how all students in the school performed on the End-of-Course Examination. The following information is provided:

- The total number of students* in the school for whom answer documents were returned is provided at the top of the page under the district name.
- The Combined Population group is broken out and reported for the following student populations (sub-groups):
 - All Students
 - Gender
 - Ethnicity
 - Gender/Ethnicity
 - Migrant
- In the columns on the *School Summary Report*, data are provided for each of the four performance levels (Below Basic, Basic, Proficient, and Advanced). The associated scale score range for each performance level is also provided. Results are provided in terms of the numbers and percents of students performing at each level in the school, district, region, and state. The first column on the report indicates the specific student population that is being reported on that particular line (row).
- The information provided on the *School Summary Report: Combined Population* can be used to compare the performance of students in the school with the performance of students at the district, region, and state levels.

* First Year in a School in the U.S. LEP Student scores are not included in this report.

Note: Each district will receive two copies of the *District Summary Report*, which provides student results aggregated to the district level. The Arkansas Department of Education will also receive one copy of the *District Summary Report*. The *District Summary Report* provides district staff with summary information on how students within the district performed on the April 2009 End-of-Course Examination. The *School* and *District Summary Reports* are set up identically to one another, except that the district report does not include school data. The district-level report also contains an additional page for 1st Year LEP students.

2009 END-OF-COURSE EXAMINATIONS REPORT DESCRIPTIONS AND SAMPLES



END-OF-COURSE EXAMINATION
GEOMETRY

SCHOOL SUMMARY REPORT: COMBINED POPULATION

Date of Test: April 2009
Page 1

District Number: 99-99
District Name: Arkansas School District
Total Number of Students Tested: 71

School Number: 99-99-999
School Name: Arkansas School

	Number & Percent of Students Below Basic (BEL) 152 and below				Number & Percent of Students Basic (BAS) 153-199				Number & Percent of Students Proficient (PRO) 200-249				Number & Percent of Students Advanced (ADV) 250 and above						
	School	District	Region	State	School	District	Region	State	School	District	Region	State	School	District	Region	State			
All Students	14	14	799	34%	7,167	22%	17	450	19%	14%	4,782	16	16	471	6,671	24	24	631	14,653
Gender																			
Female	3	3	374	10%	3,279	11%	8	223	19%	14%	2,456	7	7	226	3,249	12	12	342	7,239
Male	11	11	424	27%	3,876	20%	9	227	15%	15%	2,319	9	9	245	3,417	12	12	288	7,404
Ethnicity																			
Asian/Pacific Islander	0	0	0	0%	37	11%	0	0	0%	15%	48	0	0	0	61	0	0	2	181
African American	2	2	555	47%	3,332	43%	4	249	21%	19%	1,480	1	1	202	1,386	1	1	186	1,556
Hispanic	0	0	19	0%	409	33%	0	13	303	19%	19%	0	0	11	381	0	0	14	539
Native American	0	0	4	0%	41	1%	0	1	21	1%	21	0	0	2	57	0	0	3	100
Caucasian	12	12	216	40%	3,253	19%	13	184	10%	10%	2,875	15	15	252	4,711	23	23	419	101
Not Indicated	0	0	0	0%	27	14%	0	1	15	13%	2,875	24	24	24	4,711	37	37	39	53
Gender/Ethnicity - Female																			
Asian/Pacific Islander	0	0	0	0%	19	12%	0	0	0%	12%	19	0	0	0	28	0	0	0	91
African American	0	0	257	0%	1,509	39%	0	121	766	20%	12%	0	0	101	740	0	0	117	876
Hispanic	0	0	12	0%	19	24%	0	8	159	20%	19%	0	0	6	188	0	0	7	261
Native American	0	0	4	0%	19	24%	0	0	24	20%	18%	0	0	1	29	0	0	1	49
Caucasian	3	3	101	67%	1,510	17%	8	93	11%	11%	1,473	7	7	116	2,233	12	12	213	5,882
Not Indicated	0	0	0	0%	16	14%	0	1	9	13%	2,875	23	23	22	4,711	40	40	41	53
Gender/Ethnicity - Male																			
Asian/Pacific Islander	0	0	0	0%	18	11%	0	0	0%	12%	29	0	0	0	33	0	0	2	90
African American	2	2	297	0%	1,822	41%	4	128	714	17%	19%	0	0	101	646	1	1	100	53
Hispanic	0	0	7	25%	47	37%	0	5	181	20%	17%	13%	13%	17%	13%	13%	13%	12%	18%
Native American	0	0	0	0%	21	26%	0	2	17	17%	17%	0	0	5	193	0	0	7	277
Caucasian	9	9	115	0%	1,742	20%	5	91	8%	8%	2,233	8	8	136	2,478	11	11	208	6,217
Not Indicated	0	0	0	27%	21	15%	0	15	12%	12%	2,875	24	24	24	4,711	33	33	33	53
Migrant	0	0	0	0%	11	17%	0	0	6	9%	108	0	0	1	134	0	0	1	38
	0	0	5	0%	162	21%	0	6	20%	20%	108	0	0	9	148	0	0	4	148
	0	0	21	29%	29	20%	0	25	20%	20%	108	0	0	38	17%	0	0	17%	27%

The following groups are not included in this report: 1) 1st Year LEP students

The data in the sample reports are for display purposes only and do not represent actual results. Please see note on page 5.

SCHOOL SUMMARY REPORT: GENERAL POPULATION

Students included in the *General Population Report* are those who were **not** identified with an ESI code (IEP students), as limited English proficient (LEP students), and/or as Highly Mobile. Students identified as Gifted and Talented, Monitored Former LEP, and/or as receiving Free and/or Reduced Lunch are included in the *General Population Report*, unless they have also been identified with an ESI code, as limited English proficient, and/or as Highly Mobile. A sample is provided on the opposite page.

The *School Summary Report: General Population* provides school and district staff with summary information on how General Population students in the school performed on the End-of-Course Examination. The following information is provided:

- The total number of General Population students* in the school is provided at the top of the page under the district name.
- The General Population group is broken out and reported for the following student populations (sub-groups):
 - All Students
 - Gender
 - Ethnicity
 - Gender/Ethnicity
 - Migrant
- In the columns on the *School Summary Report*, data are provided for each of the four performance levels (Below Basic, Basic, Proficient, and Advanced). The associated scale score range for each performance level is also provided. Results are provided in terms of the numbers and percents of students performing at each level in the school, district, region, and state. The first column on the report indicates the specific student population that is being reported on that particular line (row).
- The information provided on the *School Summary Report: General Population* can be used to compare the performance of General Population students in the school with the performance of General Population students at the district, region, and state levels.

* First Year in a School in the U.S. LEP Student scores are not included in this report.

2009 END-OF-COURSE EXAMINATIONS REPORT DESCRIPTIONS AND SAMPLES



**END-OF-COURSE EXAMINATION
GEOMETRY
SCHOOL SUMMARY REPORT: GENERAL POPULATION**

Date of Test: April 2009
Page 2

District Number: **99-99** School Number: **99-99-999**
 District Name: **Arkansas School District** School Name: **Arkansas School**
 Total Number of Students Tested: **71**

Ethnicity	Number & Percent of Students Below Basic (BEL) 152 and below					Number & Percent of Students Basic (BAS) 153-199					Number & Percent of Students Proficient (PRO) 200-249					Number & Percent of Students Advanced (ADV) 250 and above						
	School	District	Region	State		School	District	Region	State		School	District	Region	State		School	District	Region	State			
All Students	14	14	799	7,167	22%	17	17	450	4,782	14%	16	16	471	6,671	24	24	631	14,653	24	24	631	14,653
Gender																						
Female	3	3	374	3,279	20%	8	8	223	2,456	14%	7	7	226	3,249	12	12	342	7,239	12	12	342	7,239
Male	10	10	325	3,876	22%	9	9	227	2,319	14%	9	9	245	3,417	12	12	288	7,404	12	12	288	7,404
Ethnicity																						
Asian/Pacific Islander	0	0	0	37	0%	0	0	0	48	0%	0	0	0	61	0	0	2	181	0	0	2	181
African American	2	2	555	3,332	25%	4	4	249	1,480	15%	1	1	202	1,386	1	1	186	1,556	1	1	186	1,556
Hispanic	0	0	19	409	0%	0	0	13	303	0%	0	0	11	381	0	0	14	539	0	0	14	539
Native American	0	0	0	4	0%	0	0	0	19	0%	0	0	2	57	0	0	3	100	0	0	3	100
Caucasian	12	12	216	3,253	19%	13	13	184	2,875	13%	15	15	252	4,711	23	23	419	10,101	23	23	419	10,101
Not Indicated	0	0	0	27	0%	0	0	1	15	0%	0	0	3	23	0	0	2	74	0	0	2	74
Gender/Ethnicity - Female																						
Asian/Pacific Islander	0	0	0	19	0%	0	0	0	19	0%	0	0	0	28	0	0	0	91	0	0	0	91
African American	0	0	257	1,509	0%	0	0	121	766	0%	0	0	101	740	0	0	117	876	0	0	117	876
Hispanic	0	0	0	12	0%	0	0	8	159	0%	0	0	6	188	0	0	7	261	0	0	7	261
Native American	0	0	0	4	0%	0	0	0	20	0%	0	0	18	24	0	0	0	33	0	0	0	33
Caucasian	3	3	101	1,510	10%	8	8	93	1,473	11%	7	7	116	2,233	12	12	213	5,882	12	12	213	5,882
Not Indicated	0	0	0	16	0%	0	0	1	9	0%	0	0	2	14	0	0	1	35	0	0	1	35
Gender/Ethnicity - Male																						
Asian/Pacific Islander	0	0	0	18	0%	0	0	0	29	0%	0	0	0	33	0	0	2	90	0	0	2	90
African American	2	2	297	1,822	25%	4	4	128	714	17%	1	1	101	646	1	1	69	680	1	1	69	680
Hispanic	0	0	0	7	0%	0	0	5	144	0%	0	0	5	193	0	0	7	277	0	0	7	277
Native American	0	0	0	0	0%	0	0	1	9	0%	0	0	1	28	0	0	2	51	0	0	2	51
Caucasian	9	9	115	1,742	27%	5	5	25	1,401	12%	8	8	136	2,478	11	11	206	6,217	11	11	206	6,217
Not Indicated	0	0	0	11	0%	0	0	0	6	0%	0	0	1	9	0	0	1	38	0	0	1	38
Migrant	0	0	0	17	0%	0	0	0	108	0%	0	0	9	14	0	0	4	59	0	0	4	59
	0	0	21	29	0%	0	0	25	20	0%	0	0	38	24	0	0	17	27	0	0	17	27

The following groups are not included in this report: 1) 1st Year LEP students

The data in the sample reports are for display purposes only and do not represent actual results. Please see note on page 5.

SCHOOL SUMMARY REPORT: IEP STUDENTS

The results in this section of the *School Summary Report* are for those students who were identified with an ESI code. IEP students are included as part of the *Combined Population Report* but are not included in the *General Population Report*. A sample is provided on the opposite page.

The *School Summary Report: IEP Students* provides school and district staff with summary information on how exceptional students in the school performed on the End-of-Course Examination. The following information is provided:

- The total number of IEP students* in the school is provided at the top of the page under the district name.
- Data are first provided for “All IEP Students” and then broken down by the following ESI categories listed on the left side of the report:

Autism	Other Health Impairment
Deaf-Blindness	Serious Emotional Disturbance
Hearing Impairment	Specific Learning Disability
Mental Retardation	Speech or Language Impaired
Multiple Disabilities	Traumatic Brain Injury
Orthopedic Impairment	Visual Impairment

NOTE: Students for whom more than one ESI code was marked on their answer documents are reported in the “Multiple Disabilities” category.

- The information provided for “Non-disabled” includes only those students who were not identified with an ESI code.
- The information provided for “Migrant” includes only those IEP students who were also identified as being Migrant students.
- In the columns on the *School Summary Report*, data are provided for each of the four performance levels (Below Basic, Basic, Proficient, and Advanced). The associated scale score range for each performance level is also provided. Results are provided in terms of the numbers and percents of students performing at each level in the school, district, region, and state. The first column on the report indicates which students are being reported on that particular line (row).
- The information provided on the *School Summary Report: IEP Students* can be used to compare the performance of exceptional students in the school with the performance of exceptional students at the district, region, and state levels.

* First Year in a School in the U.S. LEP Student scores for students who are also special education students are not included in this report.

2009 END-OF-COURSE EXAMINATIONS REPORT DESCRIPTIONS AND SAMPLES



END-OF-COURSE EXAMINATION
GEOMETRY
SCHOOL SUMMARY REPORT: IEP STUDENTS

Date of Test: April 2009
Page 3

District Number: 99-99
District Name: Arkansas School District
Total Number of Students Tested: 4

School Number: 99-99-999
School Name: Arkansas School

	Number & Percent of Students Below Basic (BEL) 152 and below			Number & Percent of Students Basic (BAS) 153-199			Number & Percent of Students Proficient (PRO) 200-249			Number & Percent of Students Advanced (ADV) 250 and above						
	School	District	Region	School	District	Region	School	District	Region	School	District	Region	School	District	Region	State
All IEP Students	4	4	168	1,397	1,126	464	0	0	12	0	0	47	0	0	436	12%
	100%	100%	67%	41%	33%	14%	0%	0%	5%	0%	0%	19%	0%	0%		
ESI Categories																
Autism	0	0	1	29	10	4	0	0	0	0	0	0	0	0	14	14%
Deaf-Blindness	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Hearing Impairment	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1%
Mental Retardation	1	1	33%	29	5	7	0	0	0	0	0	0	0	0	5	5%
Multiple Disabilities	0	0	74	503	33	16	0	0	2	0	0	0	0	0	8	8%
Orthopedic Impairment	0	0	5	34	1	3	0	0	0	0	0	0	0	0	2	2%
Other Health Impairment	0	0	0	85%	3%	8%	0	0	0	0	0	0	0	0	5	5%
Serious Emotional Disturbance	0	0	13	50%	25%	13%	0	0	0	0	0	0	0	0	3	3%
Specific Learning Disability	1	1	51	100%	117%	74%	0	0	1	0	0	0	0	0	50	50%
Speech or Language Impaired	1	1	18	285	75	110	0	0	0	0	0	0	0	0	7	7%
Traumatic Brain Injury	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0%
Visual Impairment	0	0	5	14	13%	13%	0	0	0	0	0	0	0	0	4	4%
Non-Disabled	10	10	631	4,800	4,100	6,100	16	16	450	600	600	25	25	25	14,000	14%
Migrant	0	0	0	62	17	18%	0	0	0	0	0	0	0	0	3	3%
	0%	0%	0%	66%	18%	18%	0%	0%	0%	0%	0%	0%	0%	0%	3%	3%
	14%	14%	30%	17%	14%	21%	23%	23%	21%	21%	21%	35%	35%	35%	48%	48%

The following groups are not included in this report: 1) 1st Year LEP students

The data in the sample reports are for display purposes only and do not represent actual results. Please see note on page 5.

SCHOOL SUMMARY REPORT: LEP STUDENTS

The results in this section of the *School Summary Report* are for students who were identified as Limited English Proficient (LEP). LEP students are included as part of the *Combined Population Report* but are not included in the *General Population Report*. A sample is provided on the opposite page.

The *School Summary Report: LEP Students* provides school and district staff with summary information on how LEP students in the school performed on the End-of-Course Examination. The following information is provided:

- The total number of LEP students* in the school is provided at the top of the page under the district name.
- The information provided for “Migrant” includes only those LEP students who were also identified as being Migrant students.
- In the columns on the *School Summary Report*, data are provided for each of the four performance levels (Below Basic, Basic, Proficient, and Advanced). The associated scale score range for each performance level is also provided. Results are provided in terms of the numbers and percents of students performing at each level in the school, district, region, and state. The first column on the report indicates which students are being reported on that particular line (row).
- The information listed on the *School Summary Report: LEP Students* can be used to compare the performance of LEP students in the school with the performance of LEP students at the district, region, and state levels.

* First Year in a School in the U.S. LEP Student scores are not included in this report.



**END-OF-COURSE EXAMINATION
GEOMETRY**

SCHOOL SUMMARY REPORT: LEP STUDENTS

Date of Test: April 2009
Page 4

District Number: **99-99** School Number: **99-99-999**
 District Name: **Arkansas School District** School Name: **Arkansas School**
 Total Number of Students Tested: **6**

	Number & Percent of Students Below Basic (BEL) 152 and below			Number & Percent of Students Basic (BAS) 153-199			Number & Percent of Students Proficient (PRO) 200-249			Number & Percent of Students Advanced (ADV) 250 and above			
	School	District	Region	School	District	Region	School	District	Region	School	District	Region	State
Limited English Proficient	2 33%	0 0%	15 45%	3 50%	0 0%	7 21%	1 17%	0 0%	5 15%	0 0%	0 0%	6 18%	237 25%
Migrant	0 0%	0 0%	4 31%	1 100%	0 0%	4 31%	0 0%	0 0%	3 23%	0 0%	0 0%	2 15%	36 22%

The following groups are not included in this report: 1) 1st Year LEP students

The data in the sample reports are for display purposes only and do not represent actual results. Please see note on page 5.

SCHOOL SUMMARY REPORT: MONITORED FORMER LEP STUDENTS

The results in this section of the *School Summary Report* are for students who were identified as Monitored Former LEP. Monitored Former LEP students are included in the results for both the *Combined Population Report* and the *General Population Report*. A sample is provided on the opposite page.

The *School Summary Report: Monitored Former LEP Students* provides school and district staff with summary information on how Monitored Former LEP students in the school performed on the End-of-Course Examination.

The following information is provided:

- The total number of Monitored Former LEP students* in the school is provided at the top of the page under the district name.
- The information provided for “Migrant” includes only those Monitored Former LEP students who were also identified as being Migrant students.
- In the columns on the *School Summary Report*, data are provided for each of the four performance levels (Below Basic, Basic, Proficient, and Advanced). The associated scale score range for each performance level is also provided. Results are provided in terms of the numbers and percents of students performing at each level in the school, district, region, and state. The first column on the report indicates which students are being reported on that particular line (row).
- The information listed on the *School Summary Report: Monitored Former LEP Students* can be used to compare the performance levels of Monitored Former LEP students at the district, region, and state levels.

* First Year in a School in the U.S. LEP Student scores are not included in this report.



Arkansas Comprehensive Testing, Assessment, and Accountability Program

END-OF-COURSE EXAMINATION
GEOMETRY

SCHOOL SUMMARY REPORT: MONITORED FORMER LEP STUDENTS

Date of Test: April 2009
Page 5

District Number: **99-99** School Number: **99-99-999**
 District Name: **Arkansas School District** School Name: **Arkansas School**
 Total Number of Students Tested: **3**

	Number & Percent of Students			Number & Percent of Students			Number & Percent of Students			Number & Percent of Students					
	School	District	Region	School	District	Region	School	District	Region	School	District	Region	School	District	Region
Monitored Former LEP—Year 1	1 50%	0 0%	15 45%	1 50%	0 0%	7 21%	0 0%	0 0%	5 15%	0 0%	0 0%	6 18%	0 0%	0 0%	23 25%
Monitored Former LEP—Year 2	1 100%	0 0%	13 87%	0 0%	0 0%	1 7%	0 0%	0 0%	1 7%	0 0%	1 7%	1 12%	0 0%	0 0%	50 7%
Migrant	0 0%	0 0%	4 31%	1 100%	0 0%	4 31%	0 0%	0 0%	3 23%	0 0%	0 0%	2 15%	0 0%	0 0%	36 22%

The following groups are not included in this report: 1) 1st Year LEP students

The data in the sample reports are for display purposes only and do not represent actual results. Please see note on page 5.

SCHOOL SUMMARY REPORT: GIFTED AND TALENTED STUDENTS

The results in this section of the *School Summary Report* are for students who were identified as Gifted and Talented. Gifted and Talented students are included in the results for both the *Combined Population Report* and the *General Population Report*. A sample is provided on the opposite page.

The *School Summary Report: Gifted and Talented Students* provides school and district staff with summary information on how Gifted and Talented students in the school performed on the End-of-Course Examination. The following information is provided:

- The total number of Gifted and Talented students* in the school is provided at the top of the page under the district name.
- The information provided for “Migrant” includes only those Gifted and Talented students who were also identified as being Migrant students.
- In the columns on the *School Summary Report*, data are provided for each of the four performance levels (Below Basic, Basic, Proficient, and Advanced). The associated scale score range for each performance level is also provided. Results are provided in terms of the numbers and percents of students performing at each level in the school, district, region, and state. The first column on the report indicates which students are being reported on that particular line (row).
- The information listed on the *School Summary Report: Gifted and Talented Students* can be used to compare the performance of Gifted and Talented students in the school with the performance of Gifted and Talented students at the district, region, and state levels.

* First Year in a School in the U.S. LEP Student scores are not included in this report.



**END-OF-COURSE EXAMINATION
GEOMETRY
SCHOOL SUMMARY REPORT: GIFTED AND TALENTED STUDENTS**

Date of Test: April 2009
Page 6

District Number: **99-99** School Number: **99-99-999**
 District Name: **Arkansas School District** School Name: **Arkansas School**
 Total Number of Students Tested: **10**

	Number & Percent of Students Below Basic (BEL) 152 and below			Number & Percent of Students Basic (BAS) 153-199			Number & Percent of Students Proficient (PRO) 200-249			Number & Percent of Students Advanced (ADV) 250 and above									
	School	District	Region	School	District	Region	School	District	Region	School	District	Region	School	District	Region	State			
Gifted and Talented	0 0%	0 0%	1 0%	0 0%	0 0%	7 2%	0 0%	0 0%	50 16%	0 0%	0 0%	80 2%	0 0%	0 0%	0 0%	300 9%	10 100%	250 81%	3,237 89%
Migrant	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	2 100%	20 100%

The following groups are not included in this report: 1) 1st Year LEP students

The data in the sample reports are for display purposes only and do not represent actual results. Please see note on page 5.

SCHOOL SUMMARY REPORT: HIGHLY MOBILE STUDENTS

The results in this section of the *School Summary Report* are for students who were identified as having enrolled in the school or moving between schools in the district after October 1, 2008. Highly Mobile students are included as part of the *Combined Population Report* but are not included in the *General Population Report*. A sample is provided on the opposite page.

The *School Summary Report: Highly Mobile Students* provides school and district staff with summary information on how Highly Mobile students in the school performed on the End-of-Course Examination. The following information is provided:

- The total number of Highly Mobile students* in the school is provided at the top of the page under the district name.
- The information provided for “Migrant” includes only those Highly Mobile students who were also identified as being Migrant students.
- In the columns on the *School Summary Report*, data are provided for each of the four performance levels (Below Basic, Basic, Proficient, and Advanced). The associated scale score range for each performance level is also provided. Results are provided in terms of the numbers and percents of students performing at each level in the school, district, region, and state. The first column on the report indicates which students are being reported on that particular line (row).
- The information listed on the *School Summary Report: Highly Mobile Students* can be used to compare the performance of Highly Mobile students in the school with the performance of Highly Mobile students at the district, region, and state levels.

* First Year in a School in the U.S. LEP Student scores are not included in this report.



**END-OF-COURSE EXAMINATION
GEOMETRY**

SCHOOL SUMMARY REPORT: HIGHLY MOBILE STUDENTS

Date of Test: April 2009
Page 7

District Number: **99-99** School Number: **99-99-999**
 District Name: **Arkansas School District** School Name: **Arkansas School**
 Total Number of Students Tested: **3**

	Number & Percent of Students Below Basic (BEL) 152 and below			Number & Percent of Students Basic (BAS) 153-199			Number & Percent of Students Proficient (PRO) 200-249			Number & Percent of Students Advanced (ADV) 250 and above		
	School	District	Region	School	District	Region	School	District	Region	School	District	Region
Highly Mobile	0 0%	0 0%	27 24%	1 33%	1 33%	22 19%	0 0%	0 0%	28 25%	2 67%	2 67%	36 31%
Migrant	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	2 100%

The following groups are not included in this report: 1) 1st Year LEP students

The data in the sample reports are for display purposes only and do not represent actual results. Please see note on page 5.

SCHOOL SUMMARY REPORT: FREE AND/OR REDUCED LUNCH STUDENTS

The results in this section of the *School Summary Report* are for students who were identified as receiving Free and/or Reduced Lunch. Students who receive Free and/or Reduced Lunch are included in the results for both the *Combined Population Report* and the *General Population Report*. A sample is provided on the opposite page.

The *School Summary Report: Free and/or Reduced Lunch Students* provides school and district staff with summary information on how students in the school who receive Free and/or Reduced Lunch performed on the End-of-Course Examination. The following information is provided:

- The total number of students* who receive Free and/or Reduced Lunch is provided at the top of the page under the district name.
- The information provided for “Non-economically Disadvantaged” includes only those students who were not identified as receiving Free and/or Reduced Lunch.
- The information provided for “Migrant” includes only those Free and/or Reduced Lunch students who were also identified as being Migrant students.
- In the columns on the *School Summary Report*, data are provided for each of the four performance levels (Below Basic, Basic, Proficient, and Advanced). The associated scale score range for each performance level is also provided. Results are provided in terms of the numbers and percents of students performing at each level in the school, district, region, and state. The first column on the report indicates which students are being reported on that particular line (row).
- The information listed on the *School Summary Report: Free and/or Reduced Lunch Students* can be used to compare the performance of students in the school who receive Free and/or Reduced Lunch with the performance of students who receive Free and/or Reduced Lunch at the district, region, and state levels.

* First Year in a School in the U.S. LEP Student scores are not included in this report.

SCHOOL PROFILE

The *School Profile* provides school and district staff with summary information on how students in the school performed on the End-of-Course Examination.

Each school will receive two copies of the *School Profile*, and each district will receive one copy of the *School Profile*. The *School Profile* is a four-page booklet providing an overview of the school’s results for the End-of-Course Examination. District- and state-level data are also included so that student performance within the school can be compared with the performance of students at the district and state levels. A sample of the report is provided on pages 32–35.

The following information is provided on the *School Profile*:

- District and school information that reflects what was coded on the School/Course Header Sheet.
- Overall Results (Combined Population)
 - The Overall Results (Combined Population) table is located on page 1 of the *School Profile*.
 - The “Percent of Student Scores: Proficient and Advanced” bar graph shows the percent of students in the school who scored at Proficient and Advanced performance levels.
 - The “Percent of Student Scores in Performance Levels” bar graph shows the percent of students who scored at each of the four performance levels (Below Basic, Basic, Proficient, and Advanced) at the school, district, region, and state levels. The associated scale score range for each performance level is also provided.
- Results by Population Group and Results by Gender and Ethnicity
 - The “Results by Population Group” table is located on page 1, and the “Results by Gender and Ethnicity” table is located on page 2 of the *School Profile*.
 - The first column in the “Results by Population Group” table indicates the specific student population that is being reported on that particular line (row). With the exception of “Migrant Students,” these groups can also be found on the *School Roster Report*. In the “Results by Gender and Ethnicity” table, information is provided by gender and by ethnicity.
 - The columns in the “Results by Population Group” and “Results by Gender and Ethnicity” tables provide data for each of the four performance levels (Below Basic, Basic, Proficient, and Advanced). Results are provided in terms of the numbers and percents of students performing at each performance level. The first column in the table indicates the specific student population that is being reported on that particular line (row).
 - The columns on the right side of the “Results by Population Group” and “Results by Gender and Ethnicity” tables provide the Mean Scale Scores, which are broken out by group for the school, district, and state.

Note: Each district and the Arkansas Department of Education will receive one copy of the *District Profile*. The *District Profile* provides an overview of the district’s results. The *School* and *District Profiles* are set up identically to one another, except that the district report does not include school data.

SCHOOL PROFILE (CONTINUED)

- Course Taken Summary (not included for Biology)

- The “Course Taken Summary” table is located on page 2 of the *School Profile*.
- Data are first provided for “All Students” and are then broken down by the following Algebra I or Geometry courses listed on the left side of the report:

Algebra I	Geometry
Algebra A & B	Geometry A & B
Other	Investigating Geometry
	Other

- The first column in the “Course Taken Summary” table indicates the specific student population that is being reported on that particular line (row). The second column from the left identifies the number of students tested in the school. The remaining columns provide data for each of the four performance levels (Below Basic, Basic, Proficient, and Advanced). Results are provided in terms of the numbers and percents of students performing at each performance level in school, district, and state.

- Performance on Multiple-Choice Items

- The “Performance on Multiple-Choice Items” table is located on page 3 of the *School Profile*.
- Each line (row) provides the strand name and description, the number of multiple-choice points possible, and data on the average number of items students answer correctly. The results are provided in terms of numbers and percents at the school, district, and state levels.

- Performance on Open-Response Items

- The “Performance on Open-Response Items” table is located on page 3 of the *School Profile*.
- Each line (row) provides the strand name, the number of open-response points possible, and data on the average number of items students answer correctly. The results are provided at the school, district, and state levels.

- Proficient and Advanced Performance History

- The “Proficient and Advanced Performance History” bar graph is located on page 4 of the *School Profile*.
- The “Proficient and Advanced Performance History” bar graph shows the number and percent of students in the school who scored at the Proficient and Advanced performance levels on the *Algebra I* or *Geometry End-of-Course Examination* since January 2006, or the *Biology End-of-Course Examination* since January 2008.

- Performance Level Descriptors

- The “Performance Level Descriptors” table is located on page 4 of the *School Profile*.
- Each line (row) provides the performance level, the associated scale score range, and the performance level description.

2009 END-OF-COURSE EXAMINATIONS REPORT DESCRIPTIONS AND SAMPLES



SCHOOL PROFILE—GEOMETRY

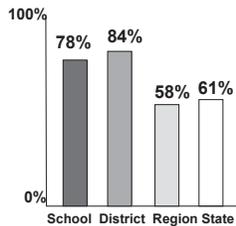
District: **Arkansas School District (99-99)**
 School: **Arkansas School (99-99-999)**
 Test Date: **April 2009**

END-OF-COURSE EXAMINATION GEOMETRY

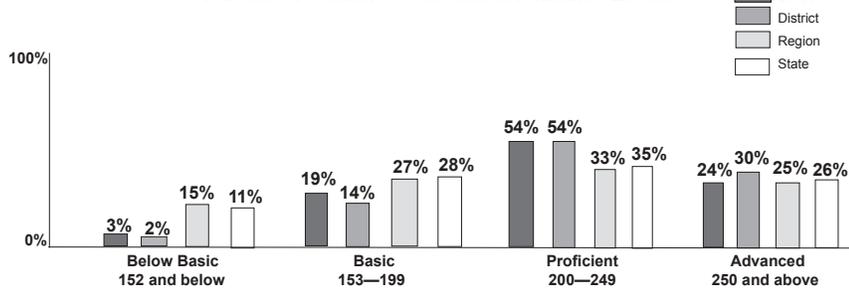
The *Geometry End-of-Course Examination* was administered in April to students who have completed coursework in Geometry. This School Profile provides a summary of your School's overall performance on this examination. Additional detail is provided in the accompanying School Level reports (Rosters, Summary Reports, and Item-by-Item Reports).

Geometry Overall Results (Combined Population)

Percent of Student Scores Proficient and Advanced



Percent of Student Scores in Performance Levels



Results by Population Group

The following table shows the number and percent at each performance level and the mean scale scores for students in each population group for your School, District, and the State.

Population Group	Below Basic		Basic		Proficient		Advanced		Mean Scale Scores		
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	School	District	State
Combined Population ¹	2	3%	13	19%	37	54%	16	24%	221	229	213
Combined Population without Highly Mobile ²	2	3%	12	18%	37	55%	16	24%	222	230	214
General Population ³	0	0%	10	16%	36	59%	15	25%	226	233	220
Students with Disabilities	1	33%	0	0%	1	33%	1	33%	197	197	163
Non-Disabled Students	1	2%	13	20%	36	55%	15	23%	222	230	217
Monitored Former LEP Students—Year 1	0	0%	2	67%	1	33%	0	0%	175	175	173
Monitored Former LEP Students—Year 2	0	0%	1	50%	1	50%	0	0%	180	180	185
Limited English Proficient Students	1	33%	2	67%	0	0%	0	0%	162	162	181
1st Year LEP Students	0	0%	0	0%	0	0%	0	0%			180
Economically Disadvantaged Students ⁴	2	6%	6	18%	20	59%	6	18%	213	222	198
Non-Economically Disadvantaged Students	0	0%	7	21%	17	50%	10	29%	229	235	226
Migrant Students	1	33%	1	33%	0	0%	1	33%	180	180	191

Notes:

- ¹ Combined Population includes all students tested except those classified as 1st Year LEP.
- ² Combined Population without Highly Mobile includes all students tested except those classified as 1st Year LEP or Highly Mobile.
- ³ General Population does not include students who are classified as IEP, LEP, or Highly Mobile.
- ⁴ Based on Free and/or Reduced Lunch.

2009 END-OF-COURSE EXAMINATIONS REPORT DESCRIPTIONS AND SAMPLES

SCHOOL PROFILE—GEOMETRY

Results by Gender and Ethnicity

The following table shows the number and percent of students in your School at each performance level for the Gender and Ethnicity Population Groups. More detailed data for these and other population groups and comparisons to District, Region, and State results can be found in your School Summary Reports.

Population Group	Below Basic		Basic		Proficient		Advanced		Mean Scale Scores		
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	School	District	State
Combined Population	2	3%	13	19%	37	54%	16	24%	221	229	213
Gender											
Male	1	3%	5	16%	19	59%	7	22%	221	229	211
Female	1	3%	8	22%	18	50%	9	25%	221	228	215
Ethnicity											
Asian/Pacific Islander	0	0%	0	0%	1	100%	0	0%	224	224	226
African American	0	0%	0	0%	1	100%	0	0%	202	202	181
Hispanic	1	33%	1	33%	0	0%	1	33%	180	198	196
Native American	0	0%	1	50%	1	50%	0	0%	201	201	213
Caucasian	1	2%	11	18%	34	56%	15	25%	224	232	225

Note: 1st Year LEP students are not included in this summary.

Course Taken Summary

The following table shows the number and percent of students in your School participating in the *Geometry End-of-Course Examination* who scored at each performance level for each of the Geometry courses taken.

Course	Number Tested (School)	Number and Percent of Students											
		Below Basic			Basic			Proficient			Advanced		
		School	District	State	School	District	State	School	District	State	School	District	State
All Students	68	2	2	3864	13	13	9969	37	50	12756	16	28	9272
		3%	2%	11%	19%	14%	28%	54%	54%	36%	24%	30%	26%
Geometry	35	0	0	2000	4	4	5260	18	13	8300	13	25	7020
		0%	0%	9%	11%	7%	23%	51%	52%	37%	37%	42%	31%
Geometry A & B	29	1	1	1289	8	8	3248	18	18	2467	2	2	715
		3%	3%	17%	28%	28%	42%	62%	62%	32%	7%	7%	9%
Investigating Geometry	4	1	1	556	1	1	1438	1	1	1966	1	1	1530
		25%	25%	10%	25%	25%	26%	25%	25%	36%	25%	25%	28%
Other	0	0	0	19	0	0	22	0	0	23	0	0	7
		0%	0%	27%	0%	0%	31%	0%	0%	32%	0%	0%	10%

Note: 1st Year LEP students are not included in this summary.

SCHOOL PROFILE—GEOMETRY

Performance on Test Items

Performance on Multiple-Choice Items

The table below indicates the overall skill demonstrated by students on the multiple-choice items for each Geometry strand.

Geometry Strands	Number of Items	Average Number and Percent Correct					
		School		District		State	
Language of Geometry Students will develop the language of geometry including specialized vocabulary, reasoning, and application of theorems, properties, and postulates.	12	7.8	65%	8.2	68%	7.0	58%
Triangles Students will identify and describe types of triangles and their special segments. They will use logic to apply the properties of congruence, similarity, and inequalities. The students will apply the Pythagorean Theorem and trigonometric ratios to solve problems in real-world situations.	12	8.1	68%	8.5	71%	7.5	63%
Measurement Students will measure and compare while using appropriate formulas, tools, and technology to solve problems dealing with length, perimeter, area, and volume.	12	8.6	72%	9.0	75%	7.3	61%
Relationships between Two and Three Dimensions Students will analyze characteristics and properties of two- and three-dimensional geometric shapes and develop mathematical arguments about geometric relationships.	12	7.6	63%	8.0	67%	7.2	60%
Coordinate Geometry and Transformations Students will specify locations, apply transformations, and describe relationships using coordinate geometry.	12	6.5	54%	6.8	57%	6.9	58%

Performance on Open-Response Items

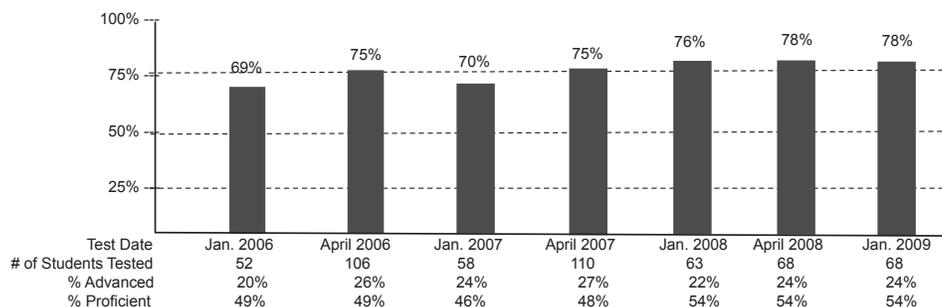
The table below indicates the overall skill demonstrated by students on the open-response items in Geometry. Open-response items require students to write a response to a geometry item.

Geometry Strands	Possible OR Points	Average Points Scored		
		School	District	State
Language of Geometry	8	2.4	2.6	2.2
Triangles	8	3.7	4.2	3.8
Measurement	8	3.2	3.5	2.7
Relationships between Two and Three Dimensions	8	3.2	3.2	2.9
Coordinate Geometry and Transformations	8	0.9	0.9	1.2

SCHOOL PROFILE—GEOMETRY

Proficient and Advanced Performance History

The following graph displays the number of students tested in your School and percent scoring at the Proficient or Advanced performance levels on the *Geometry End-of-Course Examination* since January 2006.



Performance Level Descriptors

Performance Level	Score Range	Descriptor
Advanced	250 and Above	Students consistently integrate, apply, and synthesize geometric concepts. These students can correctly formulate generalizations, create models, and communicate their mathematical reasoning through clear, concise use of mathematical symbolism and logical thinking.
Proficient	200—249	Students consistently integrate and apply geometric concepts to analyze and solve more challenging problems. They demonstrate an understanding of geometric patterns and spatial reasoning. They justify geometric relationships, make conjectures, and defend ideas using proper mathematical language and symbolism.
Basic	153—199	Students demonstrate knowledge of geometric concepts and procedures in problem solving. They demonstrate knowledge of geometric relationships and corresponding measurement skills. Basic students partially demonstrate the abilities to apply these skills.
Below Basic	152 and Below	Students fail to show sufficient mastery of geometric skills to attain the Basic level.

SCHOOL ITEM-BY-ITEM SELECTIONS OF CORRECT ANSWERS

The *School Item-by-Item Selections of Correct Answers* report provides school and district staff with information on how students within a school performed on the released common items that contributed to individual student results. This report is intended for use in conjunction with the *Released Item Booklets* in order to examine school results for individual items. A sample is provided on the following pages.

Each school and each district will receive one copy of the *School Item-by-Item Selections of Correct Answers* report. The Arkansas Department of Education will also receive one copy of this report. The *School Item-by-Item Selections of Correct Answers* report provides the results for each item (multiple-choice and open-response). Fifty percent (50%) of the items in the 2009 Mid-Year and Spring End-of-Course Examinations are contained in the Released Item Booklets for Algebra I, Geometry, or Biology. The first page of the *School Item-by-Item Selections of Correct Answers* report contains information to be used in conjunction with the released items, and the second page of the report contains information for items not released. The *School Item-by-Item Selections of Correct Answers* report is produced for the same groups as reported on the *School Summary Report* with the exception of Free and/or Reduced Lunch Students. The following information is provided on the *School Item-by-Item Selections of Correct Answers* report:

- Information specific to Algebra I, Geometry, or Biology is provided on the report.
- The number of students* in the school for the reported group is provided under the school information.
- Released Items
 - Data for released items are located on page 1 of the *School Item-by-Item Selections of Correct Answers* report.
 - The first column (Item # in Test Booklet) provides the item number and the testing session that corresponds to where the item appeared in the student test booklets. This information can be used to review session information and to determine whether position within the testing schedule had an impact on student results.
 - The second column (Item # in Released Item Booklet) provides the item number that corresponds to where the item appears in the Released Item Booklet.
 - The third column (Item Type) describes the item type: multiple-choice (MC) or open-response (OR).
 - The fourth column (Key) provides the correct answer choice for all multiple-choice items.
 - For multiple-choice items, the remaining columns provide the number and percent of students who selected the correct answer at the school, district, and state levels. This information allows school and district staff to compare results for each multiple-choice item at the school level to district- and state-level results.

* First Year in a School in the U.S. LEP Student responses are not included in this report.

SCHOOL ITEM-BY-ITEM SELECTIONS OF CORRECT ANSWERS (CONTINUED)

- Items Not Released

- Data for items not released are located on page 2 of the *School Item-by-Item Selections of Correct Answers* report.
- The first column numbers the items for reference purposes only. These numbers do not correlate with numbers or positions of the items in the test booklets.
- The second column (Item Type) describes the item type: multiple-choice (MC) or open-response (OR).
- The third column (SLE) provides the strand, content standard, and student learning expectation associated with each non-released item.
- For multiple-choice items, the remaining columns provide the number and percent of students who selected the correct answer at the school, district, and state levels. This information allows school and district staff to compare results for each multiple-choice item at the school level to district- and state-level results.
- For open-response items, the remaining columns provide the average score attained by students at the school, district, and state levels. This information allows school and district staff to compare results for each open-response item at the school level to district- and state-level results.

Note: Each district and the Arkansas Department of Education will also receive one copy of the *District Item-by-Item Selections of Correct Answers* report. The *District Item-by-Item Selections of Correct Answers* report provides individual item results for the April 2009 End-of-Course Examination at the district and state levels. The *School* and *District Item-by-Item Selections of Correct Answers* reports are set up identically to one another except that the district report does not include school data.

2009 END-OF-COURSE EXAMINATIONS REPORT DESCRIPTIONS AND SAMPLES



**END-OF-COURSE EXAMINATION
SCHOOL ITEM-BY-ITEM SELECTIONS
OF CORRECT ANSWERS
GEOMETRY: COMBINED POPULATION
DATE OF TEST: APRIL 2009**

Page 1

District Number: **99-99** District Name: **Arkansas School District**
School Number: **99-99-999** School Name: **Arkansas School**

Total Number of Students Tested: **38**

RELEASED ITEMS

Item # In Test Booklet	Item # In Released Item Booklet	Item Type	Key	Number and Percent Selecting the Correct Answer					
				School #	School %	District #	District %	State #	State %
1 (Session G1)	1	MC	A	14	36.8%	14	36.6%	14,217	43.0%
2 (Session G1)	2	MC	A	20	52.6%	20	52.6%	23,370	70.6%
3 (Session G1)	3	MC	C	20	52.6%	20	52.6%	22,164	67.0%
4 (Session G1)	4	MC	B	28	73.7%	28	73.7%	25,555	77.2%
21 (Session G1)	5	MC	B	31	81.6%	31	81.6%	20,829	62.9%
6 (Session G1)	6	MC	A	28	73.7%	28	73.7%	16,627	50.2%
7 (Session G1)	7	MC	C	27	71.1%	27	71.1%	16,455	49.7%
8 (Session G1)	8	MC	D	26	68.4%	26	68.4%	19,499	58.9%
9 (Session G1)	9	MC	C	12	31.6%	12	31.6%	12,093	36.5%
22 (Session G1)	10	MC	A	20	52.6%	20	52.6%	14,333	43.3%
11 (Session G1)	11	MC	D	9	23.7%	9	23.7%	14,630	44.2%
19 (Session G1)	12	MC	B	36	94.7%	36	94.7%	22,326	67.5%
13 (Session G1)	13	MC	B	16	42.1%	16	42.1%	16,451	49.7%
14 (Session G1)	14	MC	D	27	71.1%	27	71.1%	23,888	72.2%
23 (Session G1)	15	MC	D	26	68.4%	26	68.4%	21,028	63.5%
16 (Session G1)	16	MC	A	23	60.5%	23	60.5%	20,814	62.9%
17 (Session G1)	17	MC	C	35	92.1%	35	92.1%	20,324	61.4%
18 (Session G1)	18	MC	A	20	52.6%	20	52.6%	14,333	43.3%
12 (Session G1)	19	MC	D	35	92.1%	35	92.1%	23,894	72.2%
20 (Session G1)	20	MC	B	33	86.8%	33	86.8%	20,270	61.2%
24 (Session G1)	21	MC	D	20	52.6%	20	76.3%	20,963	63.3%
25 (Session G1)	22	MC	B	33	86.8%	33	86.8%	27,714	83.7%
26 (Session G1)	23	MC	C	32	84.2%	32	84.2%	19,454	58.8%
27 (Session G1)	24	MC	B	25	65.8%	25	65.8%	20,592	62.2%
28 (Session G1)	25	MC	D	34	89.5%	34	89.5%	18,233	55.1%
29 (Session G1)	26	MC	B	21	55.3%	21	55.3%	15,470	46.7%
30 (Session G1)	27	MC	C	28	73.7%	28	73.7%	24,711	74.7%
31 (Session G3)	28	MC	D	25	65.8%	25	65.8%	18,815	56.8%
32 (Session G3)	29	MC	A	26	68.4%	26	68.4%	18,200	55.0%
38 (Session G3)	30	MC	D	25	65.8%	25	65.8%	21,325	64.4%
39 (Session G3)	31	MC	A	30	78.9%	30	78.9%	18,484	55.8%
40 (Session G3)	32	MC	D	35	92.1%	35	92.1%	24,078	72.7%
41 (Session G3)	33	MC	C	12	31.6%	12	31.6%	12,093	36.5%
42 (Session G3)	34	MC	D	26	68.4%	26	68.4%	20,512	62.0%
43 (Session G3)	35	MC	B	12	31.6%	12	31.6%	12,093	36.5%
44 (Session G3)	36	MC	B	16	42.1%	16	42.1%	14,802	44.7%
45 (Session G3)	37	MC	A	9	23.7%	9	23.7%	14,630	44.2%
57 (Session G3)	38	MC	A	16	42.1%	16	42.1%	14,802	44.7%
58 (Session G3)	39	MC	C	20	52.6%	20	52.6%	14,333	43.3%
59 (Session G3)	40	MC	B	9	23.7%	9	23.7%	14,630	44.2%
60 (Session G3)	41	MC	B	12	31.6%	12	31.6%	12,093	36.5%

The following groups are not included in this report: 1) 1st Year LEP students



**END-OF-COURSE EXAMINATION
SCHOOL ITEM-BY-ITEM SELECTIONS
OF CORRECT ANSWERS
GEOMETRY COMBINED POPULATION
DATE OF TEST: APRIL 2009**

District Number: **99-99** District Name: **Arkansas School District**
 School Number: **99-99-999** School Name: **Arkansas School**

Total Number of Students Tested: **38**

ITEMS NOT RELEASED

	Item Type	SLE*	Number and Percent Selecting the Correct Answer					
			School #	School %	District #	District %	State #	State %
1	MC	C5.9	14	36.8%	14	36.8%	14,217	43.0%
2	MC	L1.4	20	52.6%	20	52.6%	23,370	70.6%
3	MC	C5.6	20	52.6%	20	52.6%	22,164	67.0%
4	MC	T2.5	28	73.7%	28	73.7%	25,555	77.2%
5	MC	M3.4	31	81.6%	31	81.6%	20,829	62.9%
6	MC	C5.1	28	73.7%	28	73.7%	16,627	50.2%
7	MC	T2.8	27	71.1%	27	71.1%	16,455	49.7%
8	MC	R4.1	26	68.4%	26	68.4%	19,499	58.9%
9	MC	R4.4	12	31.6%	12	31.6%	12,093	36.5%
10	MC	C5.10	20	52.6%	20	52.6%	14,333	43.3%
11	MC	R4.3	9	23.7%	9	23.7%	14,630	44.2%
12	MC	T1.1	36	94.7%	36	94.7%	22,326	67.5%
13	MC	L1.9	16	42.1%	16	42.1%	16,451	49.7%
14	MC	R4.2	27	71.1%	27	71.1%	23,888	72.2%
15	MC	T2.5	26	68.4%	26	68.4%	21,028	63.5%
16	MC	M3.7	23	60.5%	23	60.5%	20,814	62.9%
17	MC	M3.2	35	92.1%	35	92.1%	20,324	61.4%
18	MC	L1.7	20	52.6%	20	52.6%	14,333	43.3%
19	MC	C5.3	35	92.1%	35	92.1%	23,894	72.2%
20	MC	T2.6	33	86.8%	33	86.8%	20,270	61.2%
21	MC	L1.6	20	52.6%	20	52.6%	20,963	63.3%

	Item Type	SLE*	Average Score of All Students		
			School	District	State
1	OR	T1.4	0.5	0.5	2.5
2	OR	L2.3	3.2	0.5	2.5
3	OR	C4.1	0.4	0.5	2.5
4	OR	M3.2	0.5	0.5	2.5
5	OR	R4.1	0.4	0.4	1.8

The following groups are not included in this report: 1) 1st Year LEP students

* SLE (Student Learning Expectation) is expressed as "S.CS.SLE," where
 S = Strand
 CS = Content Standard
 SLE = Student Learning Expectation

PERFORMANCE LEVELS FOR THE 2009 END-OF-COURSE EXAMINATIONS

DEFINITIONS OF PERFORMANCE LEVELS

The general performance levels preamble for the ACTAAP states that the students must demonstrate their ability to be successful and productive citizens. Student performance is categorized into four levels of performance for the End-of-Course Examinations: Advanced, Proficient, Basic, and Below Basic.

The general definitions of the performance levels for Algebra I are as follows:

Advanced

Advanced students consistently integrate procedural and conceptual knowledge and the synthesis of ideas in algebra. They demonstrate an understanding of the function concept and compare algebraic properties of functions. They apply their knowledge of algebra in more advanced areas of mathematics. These students can formulate generalizations and create models and communicate their mathematical reasoning through clear, concise use of mathematical symbolism and logical thinking.

Proficient

Proficient students integrate mathematical concepts and procedures to the solution of more complex algebra problems. They demonstrate an understanding of algebraic reasoning. They perform algebraic operations involving polynomials, judge and defend the reasonableness of answers, use elements of the function concept in symbolic form, and make and defend conjectures and ideas.

Basic

Basic students demonstrate procedural and conceptual knowledge in solving algebra problems. They recognize relationships presented in algebraic form. These students can generalize from patterns and examples in algebra, use correct mathematical language and symbols to communicate relationships and reasoning processes, and use calculators appropriately to solve problems.

Below Basic

Below Basic students fail to show sufficient mastery of algebraic skills to attain the Basic level.

The general definitions of the performance levels for Geometry are as follows:

Advanced

Advanced students consistently integrate, apply, and synthesize geometric concepts. These students can correctly formulate generalizations, create models, and communicate their mathematical reasoning through clear, concise use of mathematical symbolism and logical thinking.

Proficient

Proficient students consistently integrate and apply geometric concepts to analyze and solve more challenging problems. They demonstrate an understanding of geometric patterns and spatial reasoning. They justify geometric relationships, make conjectures, and defend ideas using proper mathematical language and symbolism.

Basic

Basic students demonstrate knowledge of geometric concepts and procedures in problem solving. They demonstrate knowledge of geometric relationships and corresponding measurement skills. Basic students partially demonstrate the abilities to apply these skills.

Below Basic

Below Basic students fail to show sufficient mastery of geometric skills to attain the Basic level.

PERFORMANCE LEVELS FOR THE 2009 END-OF-COURSE EXAMINATIONS

The general definitions of the performance levels for Biology are as follows:

Advanced

Biology students performing at the advanced level display a comprehensive understanding of biological concepts, including the role of chemistry and cells in life processes, genetics, evolution, the diversity of life, and the ecological and behavioral relationships among organisms. These students are able to design and conduct scientific investigations which answer biological questions about real-world situations. In addition, these students are able to apply complex reasoning skills to make logical predictions and draw well-formulated conclusions.

Proficient

Biology students performing at the proficient level demonstrate a solid understanding of biological concepts, including the role of chemistry and cells in life processes, genetics, evolution, the diversity of life, and the ecological and behavioral relationships among organisms. In addition, these students are able to design and conduct scientific investigations, analyze data, and apply scientific principles to solve real-world, biological problems.

Basic

Biology students performing at the basic level display knowledge of biological concepts, including some understanding of the role of chemistry and cells in life processes, genetics, evolution, the diversity of life, and the ecological and behavioral relationships among organisms. These students partially demonstrate the ability to apply this knowledge. They are able to conduct basic level scientific investigations, but demonstrate a need for additional assistance to reach the proficient level.

Below Basic

Below Basic students fail to show sufficient mastery of biology skills to attain the Basic level.

ACTAAP

ARKANSAS COMPREHENSIVE TESTING, ASSESSMENT, AND ACCOUNTABILITY PROGRAM

DEVELOPED FOR THE ARKANSAS DEPARTMENT OF EDUCATION, LITTLE ROCK, AR 72201

RIG AR0904

