

2009 AYP CALCULATOR WORKSHEET INSTRUCTIONS

**NEW JERSEY DEPARTMENT OF EDUCATION
OFFICE OF STUDENT ACHIEVEMENT AND ACCOUNTABILITY**

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New Jersey Department of Education
Office of Student Achievement and Accountability

AYP CALCULATOR WORKSHEET INSTRUCTIONS

INTRODUCTION

The AYP Calculator Worksheet may be used to calculate Adequate Yearly Progress (AYP) for the total student population and each student subgroup. The calculator can be used for the following:

1. To calculate AYP using Preliminary data;
2. To calculate final AYP using secondary data and Alternate Proficiency Assessment (APA) results; and/or
3. To verify AYP results reported by the Office of Student Achievement and Accountability.

To obtain AYP using the AYP Calculator Worksheet, *you must calculate each grade span separately*. The AYP Calculator Worksheet is located on the Title I Web site at www.nj.gov/njded/title1/accountability/.

Please note that for AYP purposes, certain adjustments must be made to the vendor provided test data. You should not include in the calculations any student who enrolled after July 1st in the year immediately preceding the test date(s). The excluded students are counted as enrolled less than a year for AYP purposes. Schools of natural progression—those schools students are scheduled to attend once they complete their current grade span—must not categorize new students as being in school less than a year unless the enrollment is accompanied by a change of address for the student(s).

Note: For preliminary AYP calculations, if you factor in APA results your calculation will be different from the preliminary AYP results issued by the Office of Student Achievement and Accountability.

The AYP Calculator Worksheet includes green and yellow shaded data fields. The green fields indicate where you *must* input data. All green fields must contain data (including zero(s) where appropriate) for the program to accurately calculate. Use the data from the test result detail reports (student rosters) provided to each district by the test vendors. The yellow fields will calculate percentages automatically after your data are entered. Once all required data are input, the program will calculate AYP for the group/subgroup and content area selected, including proficiency and “safe harbor” (if necessary) results with confidence intervals factored in. (See pages 5 and 6 for sample screens.)

Follow these steps:

1. Enter data into green fields (where appropriate) on the AYP Summary screen first. (See Table #I.)
2. Go to the AYP Calculator screen and enter the subgroup number into the green field. The Calculator will show results automatically. (See Table #II.)

CALCULATOR SCREENS

This section provides a step-by-step description of the data fields for each screen.

AYP Summary Screen

Grade Span – Input “1” for Grade 11, “2” for Grade Span 6, 7, 8, “3” for Grade Span 3, 4, 5.

Participation

Note: Input data for Total and each Subgroup as desired.

Number Enrolled - Total – Total number of children enrolled more than a year in the tested grade span.

Number Less Than A Year – Total number of children enrolled after July 1st in the year immediately preceding the test date(s).

Number Enrolled – Full Year Students – Automatically calculated.

Number Not Participating (NP) – Total number of students that the test results indicated did not participate.

Number Present – Automatically calculated.

Performance

Notes:

1. Number Advanced Proficient and Proficient may be entered as a single number on either the Advanced Proficient or the Proficient row.
2. To calculate whole numbers from NJDOE supplied performance percentages, see Conversion Example at the end of this section.

Advanced Proficient – Test results with scaled scores of 250 or above and APAs categorized as Advanced Proficient for the current year.

Proficient – Test results with scaled scores of 200 to 249 and APAs categorized as Proficient for the current year.

Partially Proficient – Test results with scaled scores of 100 to 199 and APAs categorized as Partially Proficient for the current year.

Total Valid Test Scores – Automatically calculated.

Advanced Proficient/Proficient (Safe Harbor Calculation) – Automatically calculated.

Number Current Year Partially Proficient Results (Adjusted to Calculate “Safe Harbor”) – Test results are adjusted for safe harbor by grade and subject area. Each grade is adjusted individually. **These adjustments are applied to grades 3 and 4 only.** After adjusting the

scaled scores using the new scales provided below, by each grade and subject area, recalculate the number of Partially Proficient results and enter into the Part. Prof (Safe Harbor Calc) fields.

- If calculating Grade 11 or Grade Span 6, 7, 8, input Partially Proficient results previously summed.
- If calculating Grade 5 alone, input Partially Proficient results previously summed.
- If calculating Grade 3 alone, Grade 4 alone or Grade Span 3 and 4, sum Partially Proficient results using revised scaled scores.
- If calculating Grade Span 4 and 5 or Grade Span 3, 4 and 5, sum Partially Proficient results for grades 3 and 4 using revised scaled scores and grade 5 Partially Proficient results using revised scaled scores.

Cut Scores for 2009 for Safe Harbor

Grade	Language	Math
3	TBD	TBD
4	TBD	TBD

For example, previously we used a scaled score of 100 to 199 to count a grade 5 student as partially proficient in language arts literacy. For the current year, use a scaled score of 100 to 160 to count a grade 5 student as partially proficient in language arts literacy (see above chart). In another example, previously we used a scaled score of 100 to 199 to count a grade 5 student as partially proficient in math. For the current year, use a scaled score of 100 to 202 to count a grade 5 student as partially proficient in math.

For all grades other than 3 and 4, a scaled score of 100 to 199 will continue to be used for calculating safe harbor.

Safe Harbor

Prior Year’s Partially Proficient Percentage – Input the prior year’s Partially Proficient percentage (input as number – e.g., input 20.5 for 20.5%).

Note: If prior year’s percentage is not available, complete the following steps.

Prior Year’s Advanced Proficient/Proficient Count – Sum the prior year’s Advanced Proficient and Proficient and input.

Prior Year’s Partially Proficient Count – Input the Partially Proficient count for prior year.

Note: If data are entered into all three fields, the AYP Calculator Worksheet will default to the Prior Year’s Partially Proficient Percentage data.

AYP Calculator Worksheet Screen

SubGroup (Use Summary Sheet Column Number) – Input the number corresponding to the column on the AYP Summary screen being calculated.

Note: All other fields on this screen are automatically calculated.

CONVERSION EXAMPLE

Calculating Numbers from Percentages

If you have the proficiency percentages provided by the Office of Student Achievement and Accountability on the *previous year's* One Year Data Charts, it is relatively simple to convert them to whole numbers. The percentages provided are rounded to three decimal places (interpreted as one decimal place for the percentage). Multiplying these percentages by the total may not always result in a whole number. You should round the result of the calculation to the nearest whole number to obtain the correct result.

Example:

The Office of Student Achievement and Accountability Summary Report indicates there are:

Valid test scores	96
Advanced Proficient results	9.40%
Proficient results	63.50%
Partially Proficient results	27.10%

To convert to whole numbers:

Advanced Proficient	= 96 x 9.4%
	= 9.024
	Rounds to 9
Proficient	= 96 x 63.5%
	= 60.96
	Rounds to 61
Partially Proficient	= 96 x 27.1%
	= 26.016
	Rounds to 26

TABLE I

AYP SUMMARY SHEET - 2009

Note: Only GREEN cells are input areas.

Grade Span	11th Grade =	1	3
	6,7,8 Grade Span =	2	
	3,4,5 Grade Span =	3	

<u>PARTICIPATION</u>	Total LAL 1	White LAL 2	African American LAL 3	Hispanic LAL 4	Asian LAL 5	Native American LAL 6
Number Enrolled - Total						
Number Less Than A Year						
Number Enrolled - Full Year Students	0	0	0	0	0	0
Number Not Participating (NP)						
Number Present	0	0	0	0	0	0

PERFORMANCE

Advanced Proficient						
Proficient						
Partially Proficient						
Total Valid Test Scores	0	0	0	0	0	0
Adv Prof/Prof (Safe Harbor Calc)	0	0	0	0	0	0
Part. Prof (Safe Harbor Calc)						

SAFE HARBOR

Prior Year's Partially Prof Percentage						
Prior Year's Adv Prof/Prof Count						
Prior Year's Partially Prof Count						

TABLE II

AYP CALCULATOR WORKSHEET - 2009

INPUT SECTION

Note: Only GREEN cells are input areas.

	SubGroup (Use Summary Sheet Column Number)		
	#VALUE!		
	GRADE SPAN	3,4,5	
Number Enrolled			#VALUE!
Number Present			#VALUE! #VALUE!
Number Current Year Valid Test Results			#VALUE!
Number Current Year Advanced Proficient Results			#VALUE! #VALUE!
Number Current Year Proficient Results			#VALUE! #VALUE!
Number Current Year Partially Proficient Results			#VALUE! #VALUE!
Number Current Year Proficient/Advanced Proficient Results (Adjusted to Calculate "Safe Harbor")			#VALUE! #VALUE! #VALUE! #VALUE!
Number Previous Year's Partially Proficient Percentage			#VALUE!

TABLE II (CONT.)

PARTICIPATION RATE

Grade Span/Content Area
Participation Rate #DIV/0!

Made
Participation
Rate **#DIV/0!**

**ADEQUATE YEARLY
PROGRESS**

Yearly
Target 0.00%

Percent
Proficient #DIV/0!

Confidence
Interval #DIV/0!

Upper Limit
of Confidence #DIV/0!

AYP
Status **#DIV/0!**

SAFE HARBOR CALCULATION

Proficiency/Advanced Proficiency
Target #DIV/0!

Current Year Percent Proficient #DIV/0!

Confidence
Interval #DIV/0!

Upper Limit
of Confidence #DIV/0!

Safe Harbor
Status **#DIV/0!**