

2010 AYP CALCULATOR WORKSHEET INSTRUCTIONS

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

August 2010

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. Students who enrolled after July 1st in the year immediately preceding the test date(s) are included in the calculation of Participation Rate but are excluded from the calculation of AYP. 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 in the tested grade span.

Medical Emergency – Number of children experiencing a medical emergency during the administration of the test.

Total Eligible to Test or APA – Automatically calculated.

Total Test or APA – Number of children with test scores and APA results for the grade span.

Number Not Participating – Automatically calculated.

Total Test or APA Less Than a Year – Number of children with test scores and APAs who enrolled after July 1st in the year immediately preceding the test date(s).

Number Valid Test or APA – 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 (must equal “Number Valid Test or APA” in Participation).

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	195
Advanced Proficient results	.50%
Proficient results	29.20%
Partially Proficient results	70.30%

To convert to whole numbers:

Advanced Proficient	= 195 x .5%
	= .975
	Rounds to 1
Proficient	= 195 x 29.2%
	= 56.94
	Rounds to 57
Partially Proficient	= 195 x 70.3%
	= 137.085
	Rounds to 137

TABLE II

AYP CALCULATOR WORKSHEET - 2010

INPUT SECTION

Note: Only GREEN cells are input areas.

SubGroup (Use Summary Sheet Column Number)	1
TOTAL LAL	
GRADE SPAN	#####
Total Eligible to Test or APA	0
Number Not Present	0 #DIV/0!
Number Current Year Valid Test Results	0
Number Current Year Advanced Proficient Results	0 #DIV/0!
Number Current Year Proficient Results	0 #DIV/0!
Number Current Year Partially Proficient Results	0 #DIV/0!
Number Previous Year's Partially Proficient Percentage	#DIV/0!

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!**