

# **2008 AYP CALCULATOR WORKSHEET INSTRUCTIONS**

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

**November 2008**

New Jersey Department of Education  
Office of Student Achievement and Accountability

## **AYP CALCULATOR WORKSHEET INSTRUCTIONS**

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 the total student population and each student subgroup separately for each grade span and each content area.* The AYP Calculator Worksheet is located on the Title I Web site at [www.nj.gov/njded/title1/accountability/](http://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 1<sup>st</sup> 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 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, including proficiency and “safe harbor” (if necessary) results with confidence intervals factored in. (See pages 5 and 6 for sample screens.)

## THE INPUT FIELDS

**Number Enrolled** – Total number of children enrolled more than a year in the test grade span

**Number Present** – Total number of students taking the grade span test (i.e., the number enrolled minus the number not present {NP}) for the current year

**Number Current Year Valid Test Results** – Calculated automatically

**Number Current Year Advanced Proficient Results** – Test results with scaled scores of 250 or above and APAs categorized as advanced proficient for the current year

**Number Current Year Proficient Results** – Test results with scaled scores of 200 to 249 and APAs categorized as proficient for the current year

**Number Current Year Partially Proficient Results** – Test results with scaled scores of 100 to 199 and APAs categorized as partially proficient for the current year

**Number Current Year Proficient/Advanced Proficient Results (Adjusted to Calculate “Safe Harbor”)** – Calculated automatically

**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 5, 6, 7, and 8 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.

### Cut Scores for 2008 for Safe Harbor

Grade	Language	Math
5	161	203
6	190	205
7	190	181
8	188	175

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 5 to 8, a scaled score of 100 to 199 will continue to be used for calculating safe harbor.

**Number Previous Year's Valid Test Results** – Total number of the previous year's test results including APAs

**Number Previous Year's Partially Proficient Test Results** – Test results with scaled scores of 100 to 199 and APAs categorized as partially proficient for the previous year

**Grade Span** – Input “1” for the 11<sup>th</sup> grade test (High School)  
Input “2” for the 6, 7, & 8 grade span test(s) (Middle)  
Input “3” for the 3, 4, & 5 grade span test(s) (Elementary)

**Content Area** – Input “10” for Language Arts Literacy (LAL)  
Input “20” for Mathematics

**Participation Rate** – Calculated automatically

**Adequate Yearly Progress** – Calculated automatically. Provides percentages for Yearly Target, Percent Proficient, Confidence Interval, and Upper Limit of Confidence and indicates AYP Status

**Safe Harbor Calculation** – Calculated automatically, if necessary. Provides percentages for Proficiency/Advanced Proficiency Target, Current Year Percent Proficient, Confidence Interval, and Upper Limit of Confidence and indicates Safe Harbor Status

## CALCULATING NUMBERS FROM PERCENTAGES

If you have the proficiency percentages provided by the Office of Student Achievement and Accountability, 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 times 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
Partially proficient results	27.10%
Proficient results	63.50%
Advanced proficient results	9.40%

To convert to whole numbers:

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

**AYP CALCULATOR WORKSHEET - 2008**

**INPUT SECTION**

**Note: . All input data should exclude students enrolled after July 1st.  
Include Special Education and Limited English students in their home school**

Number Enrolled			
Number Present			#DIV/0!
Number Current Year Valid Test Results		0	
Number Current Year Advanced Proficient Results			#DIV/0!
Number Current Year Proficient Results			#DIV/0!
Number Current Year Partially Proficient Results			#DIV/0!
Number Current Year Proficient/Advanced Proficient Results (Adjusted to Calculate "Safe Harbor")		0	#DIV/0!
Number Current Year Partially Proficient Results (Adjusted to Calculate "Safe Harbor")			#DIV/0!
Number Previous Year's Valid Test Results			
Number Previous Year's Partially Proficient Test Results			#DIV/0!
<b>Grade Span</b>	11th Grade =	1	
	6,7,8 Grade Span =	2	
	3,4,5 Grade Span =	3	
<b>Content Area</b>	LAL =	10	
	Math =	20	

**PARTICIPATION RATE**

Grade Span/Content Area Participation Rate	#DIV/0!
Made Participation Rate	<b>#DIV/0!</b>

**ADEQUATE YEARLY PROGRESS**

Yearly Target	0.00%
Percent Proficient	#DIV/0!
Confidence Interval	#DIV/0!
Upper Limit of Confidence	#DIV/0!
AYP Status	<b>#DIV/0!</b>

**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	<b>#DIV/0!</b>