

Addendum—Analyses for Economic Status

Introduction

This addendum to the *Standards-based Tests in Spanish Technical Report for the Spring 2008 Administration* includes analyses that are based on the updated definition of the field that describes the economic status of an examinee.

In the 2008 technical report, the economic status of a student was defined as follows:

Table 1 Previous Descriptions of “Economic Status”

Economic Status	Definition
Not Economically Disadvantaged	Student not enrolled in the National School Lunch Program (NSLP)
Economically Disadvantaged	Student enrolled in NSLP
Unknown Economic Status	Unknown status of NSLP

To match the definition of “Economic Status” with the definition used by the California Department of Education (CDE) on its Web site at <http://star.cde.ca.gov/star2008/Viewreport.asp>, data were recalculated using the following criteria. These criteria will be used to define the various economic statuses in the future.

Table 2 Updated Descriptions of “Economic Status”

Economic Status	Definition
Not Economically Disadvantaged	Student is not enrolled in the NSLP <i>and</i> the education level of the student’s parents is either high school graduate (or higher) or not known
Economically Disadvantaged	Student enrolled in the NSLP <i>or</i> the education level of the student’s parents is known not to be high school graduate
Unknown Economic Status	Unknown status of the NSLP <i>and</i> the education level of the student’s parents is either high school graduate (or higher) or not known

The new definition of the economic status will be reflected in the following sections of the 2009 technical report.

1. The subgroup definition under the section on demographic summaries (in the original *2008 STS Technical Report*, this is Table 6.1 on page 51) will be updated to match the definition presented in Table 2, above.
2. The demographic summary data (currently Tables 6.A.1 through 6.A.24, pages 62–85); the analyses are presented in Table A.1.1 to Table A.1.24, found in Appendix 1 of this Addendum.
3. Overall reliability and SEMs of all STS tests by Economic Status (currently Table 8.A.4, page 133); the analyses are presented in Table A.2.1 in Appendix 3 of this Addendum.
4. Subscore reliability and standard errors of measurement (SEMs) for all STS tests by Economic Status (currently Tables 8.A.8 and 8.A.9, pages 136–39); the analyses are presented in Table A.2.2 and Table A.2.3 in Appendix 2 of this Addendum.

Note: All subgroups were analyzed for reliability analyses but the results were reported only if sufficient samples sizes were available (at least 11 students).

Note: Statistics are presented for reporting clusters with fewer than ten items. However, scores should not be used in making inferences about individual students.

Appendix 1: Demographic Summary Tables

Table A.1.1 Demographic Summary for Reading/Language Arts, Grade Two (Overall Population)

	Number Tested	Mean Number -correct Score	Std. Dev. of Number -correct Score	Mean Percent Correct in Content Area				
				Word Analysis and Vocabulary Development	Reading Comprehension	Literary Response and Analysis	Written Conventions	Writing Strategies
Overall Population Valid Scores	17,464	41	12	69%	61%	74%	65%	43%
Female	8,770	43	12	71%	65%	77%	68%	44%
Male	8,665	39	12	66%	57%	71%	63%	41%
Gender Unknown	29	41	11	71%	55%	70%	67%	41%
Argentina	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bolivia	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Brazil	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chile	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Colombia	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Costa Rica	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cuba	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ecuador	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Spain	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Guatemala	49	39	12	65%	60%	70%	59%	41%
Mexico	1,484	37	13	63%	56%	68%	57%	39%
Panama	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Peru	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Puerto Rico	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paraguay	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
El Salvador	74	38	14	63%	59%	68%	56%	40%
United States	2,487	42	12	69%	61%	75%	66%	43%
Uruguay	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Venezuela	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Other	47	37	14	62%	57%	69%	57%	38%
Country Unknown	13,273	42	12	69%	62%	75%	66%	43%
Not Economically Disadvantaged	1,282	42	13	69%	62%	75%	66%	44%
Economically Disadvantaged	16,122	41	12	69%	61%	74%	65%	42%
Economic Status Unknown	60	36	14	59%	55%	65%	53%	39%
In U.S. Schools >= 12 Months	15,022	42	11	70%	63%	76%	68%	44%
In U.S. Schools < 12 Months	2,442	34	13	58%	52%	62%	51%	36%
EL in ELD	514	36	14	61%	53%	67%	56%	40%
EL in ELD and SDAIE	1,182	34	13	57%	51%	62%	51%	35%
EL in ELD and SDAIE with Primary Language Support	1,905	39	13	65%	58%	70%	60%	40%
EL in ELD and Academic Subjects through Primary Language	12,578	43	11	71%	63%	76%	68%	44%
Other EL Instructional Services	153	38	13	63%	56%	67%	60%	40%
None (EL only)	104	35	12	61%	52%	60%	53%	37%
Program Participation Unknown	1,028	42	12	69%	61%	74%	67%	43%
No Special Education	16,642	42	12	69%	62%	75%	66%	43%
Special Education	818	33	12	57%	48%	61%	52%	35%
Special Education Unknown	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table A.1.2 Demographic Summary for Reading/Language Arts, Grade Two (Target Population)

	Number Tested	Mean Number -correct Score	Std. Dev. of Number -correct Score	Mean Percent Correct in Content Area				
				Word Analysis and Vocabulary Development	Reading Comprehension	Literary Response and Analysis	Written Conventions	Writing Strategies
Target Population Valid Scores	14,374	41	12	68%	61%	74%	65%	43%
Female	7,241	43	12	71%	65%	76%	68%	44%
Male	7,126	39	12	66%	57%	71%	62%	41%
Gender Unknown	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Argentina	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bolivia	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Brazil	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chile	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Colombia	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Costa Rica	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cuba	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ecuador	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Spain	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Guatemala	41	39	13	65%	60%	71%	60%	42%
Mexico	1,266	38	13	63%	57%	68%	57%	39%
Panama	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Peru	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Puerto Rico	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paraguay	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
El Salvador	68	38	14	63%	60%	69%	57%	42%
United States	1,969	42	11	69%	61%	75%	66%	44%
Uruguay	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Venezuela	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Other	38	37	14	62%	58%	70%	57%	37%
Country Unknown	10,950	41	12	69%	62%	74%	66%	43%
Not Economically Disadvantaged	1,049	42	13	69%	63%	75%	66%	44%
Economically Disadvantaged	13,278	41	12	68%	61%	74%	65%	42%
Economic Status Unknown	47	36	14	60%	56%	67%	55%	39%
In U.S. Schools >= 12 Months	11,932	43	11	71%	63%	76%	68%	44%
In U.S. Schools < 12 Months	2,442	34	13	58%	52%	62%	51%	36%
EL in ELD	282	31	12	52%	45%	58%	45%	35%
EL in ELD and SDAIE	744	31	12	53%	48%	57%	45%	33%
EL in ELD and SDAIE with Primary Language Support	655	32	12	54%	49%	58%	46%	34%
EL in ELD and Academic Subjects through Primary Language	12,578	43	11	71%	63%	76%	68%	44%
Other EL Instructional Services	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A
None (EL only)	58	33	12	57%	50%	57%	49%	34%
Program Participation Unknown	47	35	12	59%	51%	68%	54%	35%
No Special Education	13,708	41	12	69%	62%	74%	66%	43%
Special Education	666	34	12	58%	49%	62%	53%	35%
Special Education Unknown	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table A.1.3 Demographic Summary for Reading/Language Arts, Grade Three (Overall Population)

	Number Tested	Mean Number -correct Score	Std. Dev. of Number -correct Score	Mean Percent Correct in Content Area				
				Word Analysis and Vocabulary Development	Reading Comprehension	Literary Response and Analysis	Written Conventions	Writing Strategies
Overall Population Valid Scores	11,536	38	11	69%	52%	56%	55%	51%
Female	5,775	39	11	71%	55%	58%	58%	54%
Male	5,742	36	11	67%	49%	54%	53%	49%
Gender Unknown	19	35	11	67%	46%	54%	55%	41%
Argentina	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bolivia	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Brazil	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chile	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Colombia	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Costa Rica	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cuba	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ecuador	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Spain	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Guatemala	56	35	13	64%	48%	54%	47%	46%
Mexico	1,173	35	11	66%	49%	54%	50%	46%
Panama	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Peru	11	44	13	78%	61%	65%	68%	58%
Puerto Rico	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paraguay	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
El Salvador	95	36	13	66%	50%	56%	50%	47%
United States	1,715	38	11	68%	52%	56%	56%	52%
Uruguay	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Venezuela	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Other	30	35	12	66%	46%	56%	48%	46%
Country Unknown	8,422	38	11	70%	52%	56%	56%	52%
Not Economically Disadvantaged	970	39	12	70%	54%	57%	57%	53%
Economically Disadvantaged	10,516	38	11	69%	52%	56%	55%	51%
Economic Status Unknown	50	36	13	66%	50%	56%	50%	46%
In U.S. Schools >= 12 Months	9,465	39	11	70%	53%	57%	58%	53%
In U.S. Schools < 12 Months	2,071	33	12	63%	46%	53%	46%	42%
EL in ELD	457	36	11	67%	49%	53%	50%	47%
EL in ELD and SDAIE	1,113	35	12	64%	48%	53%	49%	45%
EL in ELD and SDAIE with Primary Language Support	1,383	35	12	65%	49%	54%	50%	46%
EL in ELD and Academic Subjects through Primary Language	7,758	39	11	71%	53%	57%	58%	53%
Other EL Instructional Services	127	35	12	62%	49%	53%	52%	49%
None (EL only)	96	35	11	65%	46%	51%	52%	45%
Program Participation Unknown	602	38	11	69%	52%	56%	57%	53%
No Special Education	10,983	38	11	70%	53%	56%	56%	52%
Special Education	551	30	11	54%	41%	45%	44%	40%
Special Education Unknown	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table A.1.4 Demographic Summary for Reading/Language Arts, Grade Three (Target Population)

	Mean Percent Correct in Content Area							
	Number Tested	Mean Number-correct Score	Std. Dev. of Number-correct Score	Word Analysis and Vocabulary Development	Reading Comprehension	Literary Response and Analysis	Written Conventions	Writing Strategies
Target Population Valid Scores	9,479	38	11	69%	52%	56%	55%	51%
Female	4,749	39	11	71%	55%	58%	58%	53%
Male	4,718	36	11	67%	49%	54%	53%	49%
Gender Unknown	12	36	10	69%	47%	56%	53%	43%
Argentina	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bolivia	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Brazil	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chile	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Colombia	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Costa Rica	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cuba	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ecuador	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Spain	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Guatemala	51	34	12	64%	48%	54%	46%	45%
Mexico	948	35	11	66%	49%	55%	49%	46%
Panama	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Peru	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Puerto Rico	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paraguay	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
El Salvador	86	37	13	68%	52%	57%	51%	49%
United States	1,280	38	11	69%	53%	56%	57%	52%
Uruguay	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Venezuela	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Other	23	34	12	65%	43%	53%	49%	47%
Country Unknown	7,052	38	11	69%	52%	56%	56%	52%
Not Economically Disadvantaged	771	39	12	71%	54%	58%	57%	53%
Economically Disadvantaged	8,673	38	11	69%	52%	56%	55%	51%
Economic Status Unknown	35	34	13	64%	46%	53%	47%	42%
In U.S. Schools >= 12 Months	7,408	39	11	71%	53%	57%	58%	54%
In U.S. Schools < 12 Months	2,071	33	12	63%	46%	53%	46%	42%
EL in ELD	223	32	10	62%	43%	51%	44%	40%
EL in ELD and SDAIE	712	33	11	62%	45%	51%	45%	41%
EL in ELD and SDAIE with Primary Language Support	687	32	11	60%	44%	51%	44%	40%
EL in ELD and Academic Subjects through Primary Language	7,758	39	11	71%	53%	57%	58%	53%
Other EL Instructional Services	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A
None (EL only)	43	31	12	58%	41%	48%	44%	37%
Program Participation Unknown	47	32	12	62%	45%	51%	41%	39%
No Special Education	9,031	38	11	70%	52%	56%	56%	52%
Special Education	448	30	11	55%	41%	45%	45%	39%
Special Education Unknown	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table A.1.5 Demographic Summary for Reading/Language Arts, Grade Four (Overall Population)

	Number Tested	Mean Number-correct Score	Std. Dev. of Number-correct Score	Mean Percent Correct in Content Area				
				Word Analysis and Vocabulary Development	Reading Comprehension	Literary Response and Analysis	Written Conventions	Writing Strategies
Overall Population Valid Scores	6,879	42	14	62%	52%	45%	60%	53%
Female	3,390	44	13	65%	55%	48%	64%	56%
Male	3,476	39	14	59%	49%	42%	57%	50%
Gender Unknown	13	40	17	62%	52%	44%	58%	47%
Argentina	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bolivia	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Brazil	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chile	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Colombia	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Costa Rica	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cuba	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ecuador	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Spain	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Guatemala	44	39	12	60%	51%	42%	55%	49%
Mexico	971	40	14	60%	50%	44%	58%	52%
Panama	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Peru	13	46	13	71%	55%	51%	64%	56%
Puerto Rico	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paraguay	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
El Salvador	74	38	12	54%	49%	45%	55%	49%
United States	1,109	42	14	62%	52%	44%	61%	53%
Uruguay	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Venezuela	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Other	39	40	14	57%	53%	43%	58%	52%
Country Unknown	4,601	42	14	63%	53%	45%	61%	53%
Not Economically Disadvantaged	593	43	14	64%	55%	47%	62%	55%
Economically Disadvantaged	6,245	42	14	62%	52%	45%	60%	53%
Economic Status Unknown	41	43	12	60%	57%	46%	61%	55%
In U.S. Schools \geq 12 Months	4,891	43	14	63%	53%	46%	62%	54%
In U.S. Schools $<$ 12 Months	1,988	39	13	58%	49%	43%	56%	50%
EL in ELD	321	40	14	61%	50%	46%	57%	51%
EL in ELD and SDAIE	949	40	14	59%	50%	43%	56%	50%
EL in ELD and SDAIE with Primary Language Support	969	40	13	59%	50%	43%	58%	51%
EL in ELD and Academic Subjects through Primary Language	3,701	43	13	63%	53%	45%	62%	54%
Other EL Instructional Services	442	43	14	64%	54%	46%	62%	54%
None (EL only)	73	40	13	59%	50%	47%	56%	50%
Program Participation Unknown	424	43	14	63%	55%	48%	62%	54%
No Special Education	6,573	42	13	63%	53%	45%	61%	53%
Special Education	299	32	13	46%	39%	35%	46%	41%
Special Education Unknown	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table A.1.6 Demographic Summary for Reading/Language Arts, Grade Four (Target Population)

	Number Tested	Mean Number -correct Score	Std. Dev. of Number -correct Score	Mean Percent Correct in Content Area				
				Word Analysis and Vocabulary Development	Reading Comprehension	Literary Response and Analysis	Written Conventions	Writing Strategies
Target Population Valid Scores	5,466	41	14	61%	52%	44%	60%	53%
Female	2,679	44	13	64%	55%	47%	64%	56%
Male	2,778	39	14	59%	49%	42%	56%	50%
Gender Unknown	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Argentina	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bolivia	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Brazil	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chile	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Colombia	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Costa Rica	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cuba	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ecuador	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Spain	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Guatemala	39	38	12	59%	49%	41%	53%	47%
Mexico	822	41	13	60%	51%	44%	58%	52%
Panama	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Peru	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Puerto Rico	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paraguay	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
El Salvador	67	38	12	55%	49%	45%	54%	49%
United States	863	42	13	63%	53%	45%	62%	54%
Uruguay	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Venezuela	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Other	34	39	14	56%	52%	42%	56%	51%
Country Unknown	3,606	42	14	62%	52%	44%	60%	53%
Not Economically Disadvantaged	485	43	14	63%	54%	46%	62%	55%
Economically Disadvantaged	4,956	41	13	61%	51%	44%	60%	52%
Economic Status Unknown	25	43	13	62%	58%	47%	62%	55%
In U.S. Schools >= 12 Months	3,478	43	14	63%	53%	45%	62%	54%
In U.S. Schools < 12 Months	1,988	39	13	58%	49%	43%	56%	50%
EL in ELD	211	38	13	58%	48%	44%	53%	49%
EL in ELD and SDAIE	738	39	13	58%	49%	42%	55%	49%
EL in ELD and SDAIE with Primary Language Support	703	39	13	58%	50%	42%	56%	50%
EL in ELD and Academic Subjects through Primary Language	3,701	43	13	63%	53%	45%	62%	54%
Other EL Instructional Services	30	40	16	58%	49%	41%	55%	55%
None (EL only)	49	39	13	57%	50%	44%	56%	50%
Program Participation Unknown	34	35	12	50%	44%	42%	48%	43%
No Special Education	5,241	42	13	62%	52%	45%	60%	53%
Special Education	224	32	13	46%	40%	35%	47%	42%
Special Education Unknown	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table A.1.7 Demographic Summary for Reading/Language Arts, Grade Five (Overall Population)

	Number Tested	Mean Number -correct Score	Std. Dev. of Number -correct Score	Mean Percent Correct in Content Area				
				Word Analysis and Vocabulary Development	Reading Comprehension	Literary Response and Analysis	Written Conventions	Writing Strategies
Overall Population Valid Scores	5,324	34	12	45%	42%	43%	50%	44%
Female	2,613	35	12	47%	44%	46%	53%	46%
Male	2,695	32	12	43%	40%	40%	47%	41%
Gender Unknown	16	35	11	47%	42%	52%	46%	49%
Argentina	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bolivia	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Brazil	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chile	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Colombia	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Costa Rica	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cuba	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ecuador	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Spain	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Guatemala	37	35	14	47%	43%	48%	49%	45%
Mexico	910	34	13	45%	42%	44%	50%	45%
Panama	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Peru	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Puerto Rico	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paraguay	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
El Salvador	82	33	12	41%	40%	45%	48%	43%
United States	753	32	11	43%	40%	40%	49%	41%
Uruguay	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Venezuela	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Other	35	29	10	41%	35%	39%	41%	37%
Country Unknown	3,472	34	12	45%	42%	43%	50%	44%
Not Economically Disadvantaged	487	37	13	49%	46%	48%	53%	48%
Economically Disadvantaged	4,800	33	12	45%	41%	42%	50%	43%
Economic Status Unknown	37	28	12	37%	38%	37%	41%	35%
In U.S. Schools \geq 12 Months	3,609	33	12	45%	42%	42%	51%	43%
In U.S. Schools $<$ 12 Months	1,715	34	12	45%	42%	45%	49%	45%
EL in ELD	273	34	12	45%	42%	45%	50%	43%
EL in ELD and SDAIE	914	34	12	45%	42%	45%	48%	45%
EL in ELD and SDAIE with Primary Language Support	750	33	12	44%	41%	43%	49%	45%
EL in ELD and Academic Subjects through Primary Language	2,562	34	12	45%	42%	42%	51%	43%
Other EL Instructional Services	369	32	12	43%	40%	39%	50%	41%
None (EL only)	57	35	12	47%	45%	45%	49%	46%
Program Participation Unknown	399	33	12	45%	41%	42%	50%	43%
No Special Education	5,081	34	12	45%	42%	43%	51%	44%
Special Education	243	25	9	34%	30%	30%	38%	34%
Special Education Unknown	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table A.1.8 Demographic Summary for Reading/Language Arts, Grade Five (Target Population)

	Number Tested	Mean Number -correct Score	Std. Dev. of Number -correct Score	Mean Percent Correct in Content Area				
				Word Analysis and Vocabulary Development	Reading Comprehension	Literary Response and Analysis	Written Conventions	Writing Strategies
Target Population Valid Scores	4,114	34	12	45%	42%	43%	50%	44%
Female	2,029	36	12	47%	44%	46%	53%	46%
Male	2,072	32	12	44%	40%	40%	47%	42%
Gender Unknown	13	32	9	45%	38%	49%	40%	45%
Argentina	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bolivia	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Brazil	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chile	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Colombia	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Costa Rica	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cuba	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ecuador	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Spain	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Guatemala	32	36	14	48%	44%	47%	51%	47%
Mexico	761	34	13	45%	43%	45%	50%	46%
Panama	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Peru	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Puerto Rico	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paraguay	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
El Salvador	75	33	12	41%	41%	46%	48%	43%
United States	528	32	11	43%	40%	40%	49%	41%
Uruguay	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Venezuela	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Other	32	29	10	41%	35%	38%	41%	38%
Country Unknown	2,655	34	12	46%	42%	43%	50%	44%
Not Economically Disadvantaged	381	37	13	49%	46%	49%	54%	49%
Economically Disadvantaged	3,704	33	12	45%	41%	43%	50%	43%
Economic Status Unknown	29	28	12	37%	39%	37%	40%	34%
In U.S. Schools >= 12 Months	2,399	34	12	45%	42%	42%	51%	43%
In U.S. Schools < 12 Months	1,715	34	12	45%	42%	45%	49%	45%
EL in ELD	193	33	12	45%	42%	45%	48%	43%
EL in ELD and SDAIE	684	34	13	45%	42%	46%	48%	45%
EL in ELD and SDAIE with Primary Language Support	561	33	12	45%	41%	43%	48%	44%
EL in ELD and Academic Subjects through Primary Language	2,562	34	12	45%	42%	42%	51%	43%
Other EL Instructional Services	27	37	11	48%	46%	54%	54%	46%
None (EL only)	47	36	12	49%	46%	47%	52%	48%
Program Participation Unknown	40	32	11	41%	39%	38%	47%	46%
No Special Education	3,956	34	12	46%	42%	44%	50%	44%
Special Education	158	25	9	35%	30%	29%	38%	34%
Special Education Unknown	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table A.1.9 Demographic Summary for Reading/Language Arts, Grade Six (Overall Population)

	Number Tested	Mean Number -correct Score	Std. Dev. of Number -correct Score	Mean Percent Correct in Content Area				
				Word Analysis and Vocabulary Development	Reading Comprehension	Literary Response and Analysis	Written Conventions	Writing Strategies
Overall Population Valid Scores	3,396	36	12	44%	49%	49%	55%	43%
Female	1,653	38	11	46%	51%	52%	58%	46%
Male	1,735	34	12	43%	47%	47%	51%	41%
Gender Unknown	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Argentina	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bolivia	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Brazil	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chile	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Colombia	11	41	11	51%	61%	60%	55%	50%
Costa Rica	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cuba	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ecuador	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Spain	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Guatemala	46	32	12	40%	41%	47%	47%	39%
Mexico	775	36	11	44%	48%	49%	53%	43%
Panama	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Peru	11	47	12	61%	63%	58%	73%	55%
Puerto Rico	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paraguay	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
El Salvador	76	33	11	43%	46%	44%	48%	39%
United States	394	33	11	40%	47%	45%	52%	38%
Uruguay	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Venezuela	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Other	28	37	12	44%	51%	51%	56%	44%
Country Unknown	2,038	37	12	45%	50%	50%	56%	44%
Not Economically Disadvantaged	371	39	12	48%	52%	53%	58%	46%
Economically Disadvantaged	2,991	36	11	44%	49%	49%	54%	43%
Economic Status Unknown	34	38	12	48%	52%	53%	57%	46%
In U.S. Schools >= 12 Months	1,716	36	12	43%	48%	49%	55%	42%
In U.S. Schools < 12 Months	1,680	36	12	46%	50%	50%	54%	44%
EL in ELD	281	36	12	46%	48%	49%	54%	43%
EL in ELD and SDAIE	822	37	12	46%	50%	50%	54%	44%
EL in ELD and SDAIE with Primary Language Support	734	36	11	45%	49%	48%	53%	43%
EL in ELD and Academic Subjects through Primary Language	1,280	36	11	44%	49%	49%	56%	43%
Other EL Instructional Services	71	31	12	37%	45%	41%	45%	37%
None (EL only)	48	36	13	43%	49%	51%	54%	44%
Program Participation Unknown	160	36	11	45%	48%	46%	56%	45%
No Special Education	3,266	36	12	45%	49%	50%	55%	44%
Special Education	130	27	10	32%	38%	36%	41%	31%
Special Education Unknown	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table A.1.10 Demographic Summary for Reading/Language Arts, Grade Six (Target Population)

	Number Tested	Mean Number -correct Score	Std. Dev. of Number -correct Score	Mean Percent Correct in Content Area				
				Word Analysis and Vocabulary Development	Reading Comprehension	Literary Response and Analysis	Written Conventions	Writing Strategies
Target Population Valid Scores	2,866	36	12	45%	49%	50%	55%	43%
Female	1,404	38	11	46%	51%	52%	58%	46%
Male	1,457	35	11	43%	47%	47%	51%	41%
Gender Unknown	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Argentina	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bolivia	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Brazil	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chile	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Colombia	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Costa Rica	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cuba	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ecuador	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Spain	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Guatemala	40	30	11	38%	39%	44%	43%	37%
Mexico	654	36	11	45%	48%	49%	53%	43%
Panama	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Peru	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Puerto Rico	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paraguay	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
El Salvador	69	34	11	43%	47%	44%	50%	40%
United States	309	34	11	40%	48%	46%	53%	39%
Uruguay	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Venezuela	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Other	23	36	11	41%	49%	51%	54%	42%
Country Unknown	1,738	37	12	45%	50%	51%	56%	44%
Not Economically Disadvantaged	302	39	12	48%	53%	54%	59%	47%
Economically Disadvantaged	2,540	36	11	44%	49%	49%	54%	43%
Economic Status Unknown	24	39	10	50%	52%	53%	60%	48%
In U.S. Schools >= 12 Months	1,186	36	11	43%	49%	49%	56%	43%
In U.S. Schools < 12 Months	1,680	36	12	46%	50%	50%	54%	44%
EL in ELD	217	36	12	45%	48%	49%	53%	43%
EL in ELD and SDAIE	673	37	12	46%	50%	50%	54%	44%
EL in ELD and SDAIE with Primary Language Support	588	37	11	46%	50%	50%	54%	44%
EL in ELD and Academic Subjects through Primary Language	1,280	36	11	44%	49%	49%	56%	43%
Other EL Instructional Services	19	34	9	40%	47%	47%	50%	42%
None (EL only)	30	35	14	43%	48%	48%	52%	44%
Program Participation Unknown	59	33	10	39%	44%	43%	52%	42%
No Special Education	2,776	37	11	45%	50%	50%	55%	44%
Special Education	90	27	10	32%	37%	38%	40%	32%
Special Education Unknown	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table A.1.11 Demographic Summary for Reading/Language Arts, Grade Seven (Overall Population)

	Number Tested	Mean Number -correct Score	Std. Dev. of Number -correct Score	Mean Percent Correct in Content Area				
				Word Analysis and Vocabulary Development	Reading Comprehension	Literary Response and Analysis	Written Conventions	Writing Strategies
Overall Population Valid Scores	3,063	39	12	62%	46%	50%	53%	50%
Female	1,412	40	12	64%	48%	52%	57%	53%
Male	1,635	37	12	60%	44%	48%	51%	48%
Gender Unknown	16	36	9	58%	47%	44%	49%	46%
Argentina	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bolivia	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Brazil	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chile	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Colombia	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Costa Rica	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cuba	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ecuador	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Spain	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Guatemala	52	35	12	58%	43%	45%	47%	46%
Mexico	776	38	12	62%	46%	50%	53%	50%
Panama	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Peru	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Puerto Rico	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paraguay	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
El Salvador	111	37	12	60%	43%	47%	51%	49%
United States	198	38	11	59%	44%	49%	54%	48%
Uruguay	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Venezuela	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Other	26	40	10	64%	46%	54%	54%	54%
Country Unknown	1,861	39	12	62%	46%	50%	54%	50%
Not Economically Disadvantaged	423	41	13	66%	49%	53%	57%	53%
Economically Disadvantaged	2,583	38	12	61%	45%	49%	53%	50%
Economic Status Unknown	57	42	10	70%	48%	54%	58%	53%
In U.S. Schools >= 12 Months	1,093	37	12	57%	43%	49%	52%	47%
In U.S. Schools < 12 Months	1,970	40	12	64%	47%	51%	54%	52%
EL in ELD	331	37	12	59%	44%	49%	49%	47%
EL in ELD and SDAIE	841	39	12	62%	46%	50%	53%	51%
EL in ELD and SDAIE with Primary Language Support	860	38	12	63%	45%	50%	52%	50%
EL in ELD and Academic Subjects through Primary Language	719	40	12	63%	47%	52%	57%	52%
Other EL Instructional Services	49	34	12	54%	41%	41%	47%	44%
None (EL only)	39	36	10	58%	42%	42%	52%	46%
Program Participation Unknown	224	39	12	61%	46%	51%	54%	50%
No Special Education	3,011	39	12	62%	46%	50%	54%	50%
Special Education	52	29	10	42%	33%	37%	42%	39%
Special Education Unknown	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table A.1.12 Demographic Summary for Reading/Language Arts, Grade Seven (Target Population)

	Number Tested	Mean Number -correct Score	Std. Dev. of Number -correct Score	Mean Percent Correct in Content Area				
				Word Analysis and Vocabulary Development	Reading Comprehension	Literary Response and Analysis	Written Conventions	Writing Strategies
Target Population Valid Scores	2,443	39	12	63%	46%	51%	55%	52%
Female	1,123	41	12	65%	48%	53%	58%	54%
Male	1,310	38	12	62%	45%	49%	52%	49%
Gender Unknown	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Argentina	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bolivia	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Brazil	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chile	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Colombia	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Costa Rica	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cuba	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ecuador	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Spain	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Guatemala	46	35	12	58%	43%	45%	47%	46%
Mexico	632	39	12	63%	46%	50%	53%	50%
Panama	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Peru	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Puerto Rico	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paraguay	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
El Salvador	95	36	12	59%	42%	46%	49%	49%
United States	131	37	11	58%	43%	48%	52%	47%
Uruguay	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Venezuela	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Other	24	40	10	64%	45%	54%	54%	54%
Country Unknown	1,482	40	12	64%	47%	52%	56%	53%
Not Economically Disadvantaged	353	42	12	67%	50%	53%	58%	54%
Economically Disadvantaged	2,055	39	12	63%	46%	50%	54%	51%
Economic Status Unknown	35	43	11	73%	48%	54%	59%	56%
In U.S. Schools >= 12 Months	473	39	11	59%	45%	50%	56%	49%
In U.S. Schools < 12 Months	1,970	40	12	64%	47%	51%	54%	52%
EL in ELD	225	38	12	63%	45%	50%	51%	50%
EL in ELD and SDAIE	659	40	12	64%	48%	51%	55%	53%
EL in ELD and SDAIE with Primary Language Support	701	39	12	63%	45%	50%	53%	51%
EL in ELD and Academic Subjects through Primary Language	719	40	12	63%	47%	52%	57%	52%
Other EL Instructional Services	31	34	13	57%	43%	43%	45%	44%
None (EL only)	29	35	9	59%	42%	41%	50%	45%
Program Participation Unknown	79	41	12	68%	49%	54%	57%	53%
No Special Education	2,411	40	12	64%	47%	51%	55%	52%
Special Education	32	31	10	44%	36%	40%	45%	40%
Special Education Unknown	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table A.1.13 Demographic Summary for Mathematics, Grade Two (Overall Population)

	Number Tested	Mean Number-correct Score	Std. Dev. of Number-correct Score	Mean Percent Correct in Content Area				
				Place Value, Addition, and Subtraction	Multiplication, Division, and Fractions	Algebra and Functions	Measurement and Geometry	Statistics, Data Analysis, and Probability
Overall Population Valid Scores	17,455	45	11	68%	66%	64%	74%	72%
Female	8,767	45	11	68%	67%	63%	74%	72%
Male	8,658	45	12	67%	65%	65%	75%	72%
Gender Unknown	30	47	11	72%	70%	69%	76%	70%
Argentina	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bolivia	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Brazil	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chile	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Colombia	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Costa Rica	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cuba	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ecuador	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Spain	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Guatemala	50	43	13	64%	63%	63%	73%	69%
Mexico	1,483	42	12	62%	63%	61%	71%	64%
Panama	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Peru	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Puerto Rico	11	44	13	66%	64%	76%	74%	64%
Paraguay	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
El Salvador	72	41	13	60%	61%	58%	68%	66%
United States	2,489	45	11	69%	67%	65%	75%	73%
Uruguay	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Venezuela	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Other	47	42	12	64%	64%	55%	73%	63%
Country Unknown	13,264	45	11	68%	66%	64%	75%	73%
Not Economically Disadvantaged	1,277	46	11	70%	68%	66%	77%	73%
Economically Disadvantaged	16,117	45	11	68%	66%	64%	74%	72%
Economic Status Unknown	61	44	13	63%	66%	65%	75%	65%
In U.S. Schools >= 12 Months	15,017	46	11	70%	67%	66%	75%	74%
In U.S. Schools < 12 Months	2,438	39	12	57%	59%	56%	68%	61%
EL in ELD	508	41	14	61%	62%	60%	69%	65%
EL in ELD and SDAIE	1,186	39	12	58%	59%	57%	68%	61%
EL in ELD and SDAIE with Primary Language Support	1,909	42	12	64%	63%	61%	71%	68%
EL in ELD and Academic Subjects through Primary Language	12,566	46	11	70%	68%	66%	76%	74%
Other EL Instructional Services	153	42	12	63%	62%	58%	72%	66%
None (EL only)	103	43	11	64%	63%	62%	73%	64%
Program Participation Unknown	1,030	44	11	67%	65%	63%	74%	72%
No Special Education	16,622	45	11	68%	67%	65%	75%	73%
Special Education	829	38	12	56%	55%	54%	65%	61%
Special Education Unknown	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table A.1.14 Demographic Summary for Mathematics, Grade Two (Target Population)

	Number Tested	Mean -correct Score	Std. Dev. of Number -correct Score	Mean Percent Correct in Content Area				
				Place Value, Addition, and Subtraction	Multiplication, Division, and Fractions	Algebra and Functions	Measurement and Geometry	Statistics, Data Analysis, and Probability
Target Population Valid Scores	14,358	45	11	68%	66%	64%	75%	72%
Female	7,237	45	11	68%	67%	63%	74%	72%
Male	7,114	45	12	67%	66%	65%	75%	72%
Gender Unknown	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Argentina	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bolivia	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Brazil	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chile	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Colombia	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Costa Rica	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cuba	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ecuador	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Spain	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Guatemala	42	43	13	64%	64%	64%	73%	70%
Mexico	1,263	42	12	62%	63%	61%	71%	65%
Panama	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Peru	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Puerto Rico	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paraguay	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
El Salvador	67	41	13	59%	62%	58%	68%	66%
United States	1,969	45	11	69%	68%	65%	75%	73%
Uruguay	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Venezuela	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Other	38	41	12	63%	63%	51%	72%	64%
Country Unknown	10,937	45	11	68%	66%	64%	75%	73%
Not Economically Disadvantaged	1,041	46	12	69%	68%	66%	76%	73%
Economically Disadvantaged	13,269	45	11	68%	66%	64%	74%	72%
Economic Status Unknown	48	44	13	64%	67%	64%	76%	65%
In U.S. Schools >= 12 Months	11,920	46	11	70%	68%	66%	76%	74%
In U.S. Schools < 12 Months	2,438	39	12	57%	59%	56%	68%	61%
EL in ELD	277	37	12	52%	55%	52%	65%	55%
EL in ELD and SDAIE	750	37	12	54%	56%	54%	66%	56%
EL in ELD and SDAIE with Primary Language Support	652	37	12	54%	56%	52%	65%	57%
EL in ELD and Academic Subjects through Primary Language	12,566	46	11	70%	68%	66%	76%	74%
Other EL Instructional Services	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A
None (EL only)	57	41	12	62%	61%	58%	70%	63%
Program Participation Unknown	46	40	12	60%	59%	59%	71%	59%
No Special Education	13,683	45	11	68%	67%	65%	75%	72%
Special Education	675	38	12	57%	55%	54%	66%	62%
Special Education Unknown	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table A.1.15 Demographic Summary for Mathematics, Grade Three (Overall Population)

	Number Tested	Mean Number -correct Score	Std. Dev. of Number -correct Score	Mean Percent Correct in Content Area				
				Place Value, Fractions, and Decimals	Addition, Subtraction, Multiplication, Division	Algebra and Functions	Measurement and Geometry	Statistics, Data Analysis, and Probability
Overall Population Valid Scores	11,528	44	13	66%	69%	62%	70%	76%
Female	5,769	44	12	65%	70%	61%	70%	78%
Male	5,740	44	13	67%	68%	63%	71%	75%
Gender Unknown	19	43	13	65%	66%	57%	70%	76%
Argentina	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bolivia	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Brazil	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chile	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Colombia	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Costa Rica	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cuba	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ecuador	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Spain	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Guatemala	56	39	14	59%	62%	54%	60%	64%
Mexico	1,171	40	13	60%	63%	55%	64%	68%
Panama	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Peru	11	52	10	80%	86%	77%	74%	84%
Puerto Rico	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paraguay	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
El Salvador	96	39	13	57%	63%	55%	65%	68%
United States	1,717	45	12	67%	70%	64%	72%	79%
Uruguay	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Venezuela	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Other	31	37	15	56%	54%	54%	61%	65%
Country Unknown	8,412	45	12	67%	70%	63%	71%	77%
Not Economically Disadvantaged	969	45	13	67%	70%	63%	71%	77%
Economically Disadvantaged	10,510	44	12	66%	69%	62%	70%	76%
Economic Status Unknown	49	43	12	66%	68%	63%	66%	69%
In U.S. Schools >= 12 Months	9,464	45	12	68%	70%	64%	73%	80%
In U.S. Schools < 12 Months	2,064	38	14	56%	61%	53%	60%	60%
EL in ELD	459	40	13	60%	65%	57%	63%	67%
EL in ELD and SDAIE	1,111	40	13	59%	64%	56%	62%	65%
EL in ELD and SDAIE with Primary Language Support	1,384	40	13	59%	64%	55%	65%	65%
EL in ELD and Academic Subjects through Primary Language	7,750	46	12	68%	71%	64%	73%	80%
Other EL Instructional Services	127	41	15	61%	62%	56%	66%	75%
None (EL only)	96	40	12	57%	65%	53%	64%	68%
Program Participation Unknown	601	44	12	67%	69%	62%	70%	78%
No Special Education	10,973	44	12	66%	70%	63%	71%	77%
Special Education	553	36	13	53%	54%	50%	59%	65%
Special Education Unknown	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table A.1.16 Demographic Summary for Mathematics, Grade Three (Target Population)

	Number Tested	Mean -correct Score	Std. Dev. of -correct Score	Mean Percent Correct in Content Area				
				Place Value, Fractions, and Decimals	Addition, Subtraction, Multiplication, Division	Algebra and Functions	Measurement and Geometry	Statistics, Data Analysis, and Probability
Target Population Valid Scores	9,466	44	13	66%	69%	62%	71%	76%
Female	4,741	44	12	65%	70%	62%	70%	78%
Male	4,713	44	13	67%	68%	63%	71%	74%
Gender Unknown	12	42	13	64%	65%	57%	71%	72%
Argentina	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bolivia	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Brazil	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chile	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Colombia	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Costa Rica	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cuba	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ecuador	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Spain	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Guatemala	51	38	14	59%	61%	52%	59%	62%
Mexico	946	40	13	59%	63%	55%	63%	67%
Panama	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Peru	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Puerto Rico	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paraguay	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
El Salvador	87	40	13	59%	64%	55%	67%	69%
United States	1,278	45	12	67%	70%	64%	72%	80%
Uruguay	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Venezuela	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Other	23	36	16	53%	52%	54%	60%	64%
Country Unknown	7,042	45	12	67%	70%	63%	71%	77%
Not Economically Disadvantaged	770	45	13	68%	70%	63%	71%	77%
Economically Disadvantaged	8,662	44	13	66%	69%	62%	70%	76%
Economic Status Unknown	34	41	12	63%	64%	58%	64%	64%
In U.S. Schools >= 12 Months	7,402	46	12	69%	71%	65%	73%	81%
In U.S. Schools < 12 Months	2,064	38	14	56%	61%	53%	60%	60%
EL in ELD	224	36	13	52%	60%	51%	57%	58%
EL in ELD and SDAIE	711	37	13	55%	61%	52%	58%	59%
EL in ELD and SDAIE with Primary Language Support	682	36	13	54%	58%	50%	59%	56%
EL in ELD and Academic Subjects through Primary Language	7,750	46	12	68%	71%	64%	73%	80%
Other EL Instructional Services	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A
None (EL only)	43	36	13	51%	62%	50%	57%	58%
Program Participation Unknown	47	36	15	52%	59%	51%	59%	54%
No Special Education	9,017	44	12	66%	70%	63%	71%	77%
Special Education	449	37	13	54%	55%	51%	60%	65%
Special Education Unknown	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table A.1.17 Demographic Summary for Mathematics, Grade Four (Overall Population)

	Number Tested	Mean Number -correct Score	Std. Dev. of Number -correct Score	Mean Percent Correct in Content Area				
				Decimals, Fractions, and Negative Numbers	Operations and Factoring	Algebra and Functions	Measurement and Geometry	Statistics, Data Analysis, and Probability
Overall Population Valid Scores	6,859	41	13	67%	59%	65%	62%	56%
Female	3,380	41	13	66%	60%	66%	64%	57%
Male	3,467	40	13	67%	57%	63%	61%	55%
Gender Unknown	12	40	15	67%	62%	62%	55%	65%
Argentina	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bolivia	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Brazil	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chile	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Colombia	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Costa Rica	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cuba	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ecuador	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Spain	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Guatemala	44	37	13	60%	54%	57%	56%	48%
Mexico	965	37	13	60%	53%	57%	58%	50%
Panama	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Peru	13	49	11	73%	78%	82%	73%	65%
Puerto Rico	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paraguay	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
El Salvador	74	34	13	58%	48%	51%	56%	40%
United States	1,106	42	13	70%	60%	66%	64%	58%
Uruguay	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Venezuela	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Other	38	38	14	63%	58%	57%	61%	51%
Country Unknown	4,592	42	13	67%	60%	66%	63%	57%
Not Economically Disadvantaged	591	41	14	67%	60%	64%	62%	57%
Economically Disadvantaged	6,227	41	13	67%	58%	65%	62%	56%
Economic Status Unknown	41	38	12	59%	52%	62%	60%	55%
In U.S. Schools >= 12 Months	4,884	43	12	70%	61%	69%	65%	59%
In U.S. Schools < 12 Months	1,975	36	13	58%	52%	55%	56%	49%
EL in ELD	319	38	14	63%	55%	58%	57%	52%
EL in ELD and SDAIE	943	37	13	60%	54%	56%	56%	52%
EL in ELD and SDAIE with Primary Language Support	964	38	13	61%	54%	59%	59%	50%
EL in ELD and Academic Subjects through Primary Language	3,697	43	12	69%	60%	68%	65%	59%
Other EL Instructional Services	442	44	13	71%	65%	71%	67%	61%
None (EL only)	73	37	12	60%	55%	57%	57%	51%
Program Participation Unknown	421	42	13	68%	62%	66%	64%	57%
No Special Education	6,549	41	13	67%	59%	65%	63%	57%
Special Education	303	34	12	56%	47%	52%	53%	47%
Special Education Unknown	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table A.1.18 Demographic Summary for Mathematics, Grade Four (Target Population)

	Number Tested	Mean Number -correct Score	Std. Dev. of Number -correct Score	Mean Percent Correct in Content Area				
				Decimals, Fractions, and Negative Numbers	Operations and Factoring	Algebra and Functions	Measurement and Geometry	Statistics, Data Analysis, and Probability
Target Population Valid Scores	5,449	40	13	66%	57%	63%	62%	55%
Female	2,670	41	13	65%	58%	65%	63%	56%
Male	2,771	40	13	66%	56%	62%	60%	55%
Gender Unknown	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Argentina	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bolivia	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Brazil	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chile	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Colombia	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Costa Rica	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cuba	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ecuador	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Spain	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Guatemala	39	36	14	60%	53%	55%	55%	47%
Mexico	816	37	13	59%	53%	57%	58%	50%
Panama	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Peru	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Puerto Rico	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paraguay	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
El Salvador	67	34	13	57%	47%	51%	55%	40%
United States	861	42	13	70%	59%	66%	64%	59%
Uruguay	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Venezuela	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Other	33	38	15	61%	56%	57%	59%	52%
Country Unknown	3,599	41	13	66%	58%	65%	62%	56%
Not Economically Disadvantaged	483	41	14	66%	59%	63%	62%	56%
Economically Disadvantaged	4,941	40	13	66%	57%	64%	62%	55%
Economic Status Unknown	25	37	13	58%	49%	58%	60%	54%
In U.S. Schools >= 12 Months	3,474	43	12	70%	60%	68%	65%	59%
In U.S. Schools < 12 Months	1,975	36	13	58%	52%	55%	56%	49%
EL in ELD	210	35	13	59%	52%	52%	53%	47%
EL in ELD and SDAIE	734	35	13	58%	52%	54%	54%	51%
EL in ELD and SDAIE with Primary Language Support	697	35	13	57%	51%	55%	57%	47%
EL in ELD and Academic Subjects through Primary Language	3,697	43	12	69%	60%	68%	65%	59%
Other EL Instructional Services	30	40	15	64%	57%	65%	59%	58%
None (EL only)	49	35	13	56%	54%	54%	55%	48%
Program Participation Unknown	32	30	11	51%	45%	42%	47%	42%
No Special Education	5,220	41	13	66%	58%	64%	62%	56%
Special Education	228	34	12	56%	47%	52%	52%	46%
Special Education Unknown	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table A.1.19 Demographic Summary for Mathematics, Grade Five (Overall Population)

	Number Tested	Mean Number-correct Score	Std. Dev. of Number-correct Score	Mean Percent Correct in Content Area				
				Estimation, Percents, and Factoring	Operations with Fractions and Decimals	Algebra and Functions	Measurement and Geometry	Statistics, Data Analysis, and Probability
Overall Population Valid Scores	5,325	32	11	50%	45%	54%	47%	53%
Female	2,610	33	10	50%	46%	57%	48%	54%
Male	2,699	32	11	51%	44%	52%	47%	53%
Gender Unknown	16	30	8	46%	46%	47%	47%	42%
Argentina	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bolivia	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Brazil	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chile	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Colombia	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Costa Rica	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cuba	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ecuador	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Spain	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Guatemala	38	28	11	47%	42%	43%	41%	43%
Mexico	906	31	11	48%	45%	49%	45%	51%
Panama	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Peru	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Puerto Rico	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paraguay	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
El Salvador	82	27	11	45%	37%	42%	39%	49%
United States	754	33	11	51%	45%	56%	48%	54%
Uruguay	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Venezuela	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Other	34	25	9	44%	31%	43%	39%	40%
Country Unknown	3,476	33	10	51%	45%	56%	48%	54%
Not Economically Disadvantaged	486	33	12	51%	47%	57%	49%	54%
Economically Disadvantaged	4,802	32	11	50%	45%	54%	47%	53%
Economic Status Unknown	37	27	9	46%	38%	41%	39%	45%
In U.S. Schools >= 12 Months	3,609	34	11	52%	46%	58%	49%	55%
In U.S. Schools < 12 Months	1,716	29	10	47%	43%	46%	44%	49%
EL in ELD	271	31	11	51%	44%	48%	47%	50%
EL in ELD and SDAIE	916	30	11	48%	44%	48%	45%	49%
EL in ELD and SDAIE with Primary Language Support	751	30	10	47%	44%	49%	45%	51%
EL in ELD and Academic Subjects through Primary Language	2,568	34	11	51%	46%	59%	49%	56%
Other EL Instructional Services	368	33	11	51%	45%	57%	48%	53%
None (EL only)	57	29	10	46%	42%	48%	43%	54%
Program Participation Unknown	394	32	10	52%	45%	55%	46%	53%
No Special Education	5,078	32	11	50%	46%	55%	48%	54%
Special Education	246	27	9	44%	36%	46%	42%	46%
Special Education Unknown	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table A.1.20 Demographic Summary for Mathematics, Grade Five (Target Population)

	Number Tested	Mean Number -correct Score	Std. Dev. of Number -correct Score	Mean Percent Correct in Content Area				
				Estimation, Percents, and Factoring	Operations with Fractions and Decimals	Algebra and Functions	Measurement and Geometry	Statistics, Data Analysis, and Probability
Target Population Valid Scores	4,119	32	11	50%	45%	54%	47%	53%
Female	2,028	32	10	49%	46%	56%	48%	53%
Male	2,078	32	11	50%	44%	52%	47%	53%
Gender Unknown	13	30	9	46%	44%	48%	48%	40%
Argentina	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bolivia	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Brazil	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chile	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Colombia	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Costa Rica	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cuba	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ecuador	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Spain	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Guatemala	33	29	11	47%	44%	44%	42%	42%
Mexico	759	31	11	48%	45%	48%	45%	51%
Panama	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Peru	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Puerto Rico	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paraguay	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
El Salvador	75	26	10	44%	37%	41%	39%	50%
United States	529	32	11	50%	45%	56%	47%	53%
Uruguay	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Venezuela	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Other	31	25	9	42%	32%	43%	40%	41%
Country Unknown	2,661	33	10	50%	45%	56%	48%	54%
Not Economically Disadvantaged	380	33	12	50%	47%	56%	49%	54%
Economically Disadvantaged	3,710	32	11	50%	45%	54%	47%	53%
Economic Status Unknown	29	27	10	45%	38%	42%	38%	47%
In U.S. Schools >= 12 Months	2,403	34	11	52%	46%	59%	50%	56%
In U.S. Schools < 12 Months	1,716	29	10	47%	43%	46%	44%	49%
EL in ELD	191	29	10	47%	42%	44%	43%	47%
EL in ELD and SDAIE	685	29	11	47%	43%	46%	44%	47%
EL in ELD and SDAIE with Primary Language Support	562	29	10	45%	43%	46%	44%	50%
EL in ELD and Academic Subjects through Primary Language	2,568	34	11	51%	46%	59%	49%	56%
Other EL Instructional Services	26	35	12	57%	52%	52%	52%	56%
None (EL only)	47	29	10	44%	42%	48%	44%	56%
Program Participation Unknown	40	26	8	43%	40%	38%	40%	49%
No Special Education	3,957	32	11	50%	45%	54%	48%	53%
Special Education	161	28	10	43%	38%	46%	41%	47%
Special Education Unknown	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table A.1.21 Demographic Summary for Mathematics, Grade Six (Overall Population)

	Number Tested	Mean Number -correct Score	Std. Dev. of Number -correct Score	Mean Percent Correct in Content Area				
				Ratios, Proportions, Percentages, and Negative Numbers	Operations with Problem Solving with Fractions	Algebra and Functions	Measurement and Geometry	Statistics, Data Analysis, and Probability
Overall Population Valid Scores	3,388	31	11	54%	52%	51%	37%	39%
Female	1,653	31	11	55%	52%	51%	37%	40%
Male	1,727	31	12	54%	52%	51%	37%	38%
Gender Unknown	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Argentina	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bolivia	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Brazil	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chile	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Colombia	11	29	7	52%	48%	44%	38%	42%
Costa Rica	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cuba	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ecuador	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Spain	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Guatemala	46	24	10	42%	39%	39%	27%	31%
Mexico	772	29	10	51%	48%	48%	34%	36%
Panama	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Peru	11	41	12	69%	73%	69%	51%	46%
Puerto Rico	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paraguay	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
El Salvador	76	25	10	44%	38%	41%	31%	32%
United States	394	31	11	55%	53%	50%	39%	40%
Uruguay	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Venezuela	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Other	28	26	10	44%	49%	43%	30%	31%
Country Unknown	2,034	32	12	56%	54%	53%	38%	41%
Not Economically Disadvantaged	368	33	12	57%	55%	53%	38%	42%
Economically Disadvantaged	2,986	31	11	54%	52%	51%	37%	39%
Economic Status Unknown	34	28	9	52%	47%	49%	31%	33%
In U.S. Schools >= 12 Months	1,709	33	11	56%	56%	54%	39%	41%
In U.S. Schools < 12 Months	1,679	29	11	53%	48%	48%	34%	37%
EL in ELD	281	30	11	54%	49%	48%	34%	37%
EL in ELD and SDAIE	821	30	12	54%	50%	50%	36%	37%
EL in ELD and SDAIE with Primary Language Support	733	29	11	53%	48%	48%	35%	37%
EL in ELD and Academic Subjects through Primary Language	1,278	33	11	57%	57%	55%	40%	42%
Other EL Instructional Services	70	26	11	42%	42%	44%	30%	33%
None (EL only)	48	30	13	52%	51%	52%	33%	39%
Program Participation Unknown	157	31	11	53%	53%	52%	38%	39%
No Special Education	3,257	31	11	55%	52%	51%	37%	39%
Special Education	131	25	9	46%	43%	41%	33%	31%
Special Education Unknown	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table A.1.22 Demographic Summary for Mathematics, Grade Six (Target Population)

	Number Tested	Mean -correct Score	Std. Dev. of -correct Score	Mean Percent Correct in Content Area				
				Ratios, Proportions, Percentages, and Negative Numbers	Operations with Problem Solving with Fractions	Algebra and Functions	Measurement and Geometry	Statistics, Data Analysis, and Probability
Target Population Valid Scores	2,863	31	11	55%	52%	51%	37%	39%
Female	1,405	31	11	55%	51%	51%	37%	40%
Male	1,453	31	12	54%	52%	51%	37%	38%
Gender Unknown	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Argentina	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bolivia	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Brazil	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chile	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Colombia	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Costa Rica	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cuba	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ecuador	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Spain	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Guatemala	40	22	10	41%	36%	36%	27%	28%
Mexico	654	29	11	52%	48%	48%	35%	36%
Panama	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Peru	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Puerto Rico	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paraguay	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
El Salvador	69	25	10	45%	40%	42%	31%	33%
United States	309	31	11	55%	52%	50%	38%	40%
Uruguay	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Venezuela	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Other	23	25	9	41%	49%	41%	29%	29%
Country Unknown	1,736	32	12	57%	54%	53%	38%	41%
Not Economically Disadvantaged	300	33	12	57%	56%	54%	39%	42%
Economically Disadvantaged	2,539	31	11	54%	52%	51%	37%	39%
Economic Status Unknown	24	29	9	54%	45%	49%	28%	35%
In U.S. Schools >= 12 Months	1,184	33	11	57%	57%	55%	40%	42%
In U.S. Schools < 12 Months	1,679	29	11	53%	48%	48%	34%	37%
EL in ELD	218	29	11	53%	47%	47%	33%	36%
EL in ELD and SDAIE	673	30	12	53%	49%	49%	35%	37%
EL in ELD and SDAIE with Primary Language Support	588	29	11	53%	48%	48%	35%	37%
EL in ELD and Academic Subjects through Primary Language	1,278	33	11	57%	57%	55%	40%	42%
Other EL Instructional Services	19	26	11	46%	44%	43%	28%	31%
None (EL only)	30	29	14	49%	49%	49%	33%	38%
Program Participation Unknown	57	27	9	50%	46%	44%	33%	32%
No Special Education	2,772	31	11	55%	52%	51%	37%	39%
Special Education	91	26	10	48%	43%	42%	33%	31%
Special Education Unknown	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table A.1.23 Demographic Summary for Mathematics, Grade Seven (Overall Population)

	Number Tested	Mean Number-correct Score	Std. Dev. of Number-correct Score	Mean Percent Correct in Content Area					
				Rational Numbers	Exponents, Powers, and Roots	Quantitative Relationships and Evaluating Expressions	Multistep Problems, Graphing, and Functions	Measurement and Geometry	Statistics, Data Analysis, and Probability
Overall Population Valid Scores	2,948	28	9	43%	36%	43%	44%	42%	47%
Female	1,351	28	9	42%	36%	44%	43%	42%	48%
Male	1,581	27	10	43%	36%	42%	44%	42%	46%
Gender Unknown	16	25	8	46%	34%	41%	40%	34%	35%
Argentina	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bolivia	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Brazil	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chile	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Colombia	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Costa Rica	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cuba	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ecuador	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Spain	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Guatemala	52	23	6	37%	27%	36%	36%	33%	40%
Mexico	772	27	9	41%	34%	42%	43%	42%	45%
Panama	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Peru	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Puerto Rico	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paraguay	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
El Salvador	111	23	7	34%	30%	41%	34%	36%	38%
United States	198	28	9	44%	38%	44%	47%	43%	49%
Uruguay	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Venezuela	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Other	26	26	9	35%	33%	49%	37%	41%	43%
Country Unknown	1,752	28	10	44%	38%	44%	45%	43%	48%
Not Economically Disadvantaged	413	29	10	46%	38%	43%	46%	45%	50%
Economically Disadvantaged	2,477	27	9	42%	36%	43%	43%	41%	46%
Economic Status Unknown	58	28	8	40%	35%	46%	46%	42%	50%
In U.S. Schools >= 12 Months	989	28	9	44%	40%	44%	44%	40%	46%
In U.S. Schools < 12 Months	1,959	27	9	42%	35%	43%	43%	43%	47%
EL in ELD	279	27	9	42%	32%	43%	43%	40%	47%
EL in ELD and SDAIE	792	28	10	42%	36%	43%	44%	43%	48%
EL in ELD and SDAIE with Primary Language Support	855	26	9	41%	34%	42%	41%	41%	43%
EL in ELD and Academic Subjects through Primary Language	714	29	10	46%	41%	45%	47%	44%	50%
Other EL Instructional Services	48	27	10	42%	40%	40%	43%	40%	42%
None (EL only)	39	26	9	43%	33%	47%	38%	39%	43%
Program Participation Unknown	221	28	9	43%	38%	45%	44%	41%	46%
No Special Education	2,898	28	9	43%	36%	43%	44%	42%	47%
Special Education	50	23	8	35%	34%	35%	37%	31%	39%
Special Education Unknown	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table A.1.24 Demographic Summary for Mathematics, Grade Seven (Target Population)

	Number Tested	Mean Number-correct Score	Std. Dev. of Number-correct Score	Mean Percent Correct in Content Area					
				Rational Numbers	Exponents, Powers, and Roots	Quantitative Relationships and Evaluating Expressions	Multistep Problems, Graphing, and Functions	Measurement and Geometry	Statistics, Data Analysis, and Probability
Target Population Valid Scores	2,430	28	9	43%	36%	43%	44%	43%	47%
Female	1,119	28	9	42%	36%	45%	44%	43%	48%
Male	1,301	28	10	44%	36%	42%	44%	42%	47%
Gender Unknown	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Argentina	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bolivia	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Brazil	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chile	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Colombia	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Costa Rica	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cuba	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ecuador	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Spain	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Guatemala	46	23	6	36%	28%	36%	36%	33%	41%
Mexico	629	27	9	40%	34%	42%	43%	42%	46%
Panama	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Peru	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Puerto Rico	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paraguay	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
El Salvador	95	22	7	33%	29%	40%	32%	34%	36%
United States	131	27	9	42%	36%	42%	45%	41%	47%
Uruguay	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Venezuela	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Other	24	26	9	37%	32%	49%	36%	41%	45%
Country Unknown	1,474	29	10	45%	38%	44%	45%	44%	49%
Not Economically Disadvantaged	354	29	10	46%	37%	43%	46%	45%	50%
Economically Disadvantaged	2,040	28	9	42%	36%	43%	44%	42%	47%
Economic Status Unknown	36	28	9	38%	36%	46%	44%	44%	49%
In U.S. Schools >= 12 Months	471	29	10	46%	43%	45%	46%	42%	48%
In U.S. Schools < 12 Months	1,959	27	9	42%	35%	43%	43%	43%	47%
EL in ELD	224	27	9	42%	32%	43%	43%	41%	48%
EL in ELD and SDAIE	657	28	10	42%	36%	44%	45%	44%	49%
EL in ELD and SDAIE with Primary Language Support	698	26	8	40%	33%	41%	41%	41%	43%
EL in ELD and Academic Subjects through Primary Language	714	29	10	46%	41%	45%	47%	44%	50%
Other EL Instructional Services	30	28	10	45%	40%	40%	45%	43%	41%
None (EL only)	29	25	9	42%	29%	46%	36%	38%	40%
Program Participation Unknown	78	28	10	40%	36%	46%	44%	43%	46%
No Special Education	2,398	28	10	43%	36%	43%	44%	43%	47%
Special Education	32	23	7	36%	37%	36%	37%	30%	39%
Special Education Unknown	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Appendix 2: Reliabilities and SEMs

Table A.2.1 Reliabilities and SEM for the STS by Economic Status

Subject	STS	Not Economically Disadvantaged			Economically Disadvantaged		
		N	Reliab.	SEM	N	Reliab.	SEM
Reading/Language Arts	2	1,049	0.93	3.36	13,278	0.92	3.37
	3	771	0.91	3.56	8,673	0.91	3.43
	4	485	0.92	3.85	4,956	0.92	3.82
	5	381	0.90	4.05	3,704	0.88	4.06
	6	302	0.90	3.81	2,540	0.88	3.95
	7	353	0.91	3.73	2,055	0.89	3.91
	2	1,041	0.92	3.26	13,269	0.92	3.23
Mathematics	3	770	0.94	3.16	8,662	0.93	3.32
	4	483	0.94	3.35	4,941	0.93	3.43
	5	380	0.90	3.64	3,710	0.88	3.66
	6	300	0.92	3.54	2,539	0.89	3.73
	7	354	0.86	3.69	2,040	0.85	3.66

Table A.2.2 Subscore Reliabilities and SEM for Reading/Language Arts by Economic Status

Subscore Area	No. of Items	Not Econ. Dis.		Econ. Dis.	
		Reliab.	SEM	Reliab.	SEM
Grade 2					
1. Word Analysis and Vocabulary Development	22	0.83	1.84	0.80	1.87
2. Reading Comprehension	15	0.80	1.61	0.76	1.64
3. Literary Response and Analysis	6	0.62	0.91	0.57	0.93
4. Written Conventions	14	0.81	1.51	0.78	1.54
5. Writing Strategies	8	0.42	1.33	0.39	1.33
Grade 3					
1. Word Analysis and Vocabulary Development	20	0.79	1.77	0.78	1.79
2. Reading Comprehension	15	0.70	1.73	0.68	1.74
3. Literary Response and Analysis	8	0.54	1.20	0.50	1.20
4. Written Conventions	13	0.70	1.63	0.69	1.65
5. Writing Strategies	9	0.65	1.33	0.61	1.35
Grade 4					
1. Word Analysis and Vocabulary Development	18	0.78	1.81	0.77	1.84
2. Reading Comprehension	15	0.74	1.69	0.71	1.73
3. Literary Response and Analysis	9	0.47	1.36	0.42	1.37
4. Written Conventions	18	0.79	1.82	0.79	1.83
5. Writing Strategies	15	0.66	1.74	0.68	1.73
Grade 5					
1. Word Analysis and Vocabulary Development	14	0.64	1.70	0.57	1.73
2. Reading Comprehension	16	0.67	1.81	0.63	1.82
3. Literary Response and Analysis	12	0.70	1.56	0.63	1.58
4. Written Conventions	17	0.68	1.91	0.65	1.93
5. Writing Strategies	16	0.68	1.83	0.62	1.84
Grade 6					
1. Word Analysis and Vocabulary Development	13	0.59	1.66	0.54	1.67
2. Reading Comprehension	17	0.65	1.84	0.63	1.87
3. Literary Response and Analysis	12	0.49	1.49	0.53	1.52
4. Written Conventions	16	0.73	1.76	0.71	1.80
5. Writing Strategies	17	0.68	1.91	0.61	1.93
Grade 7					
1. Word Analysis and Vocabulary Development	11	0.66	1.39	0.68	1.42
2. Reading Comprehension	18	0.68	1.93	0.61	1.96
3. Literary Response and Analysis	13	0.52	1.60	0.54	1.59
4. Written Conventions	16	0.75	1.72	0.70	1.77
5. Writing Strategies	17	0.73	1.81	0.67	1.85

Table A.2.3 Subscore Reliabilities and SEM for Mathematics by Economic Status

Subscore Area	No. of Items	Not Econ. Dis.		Econ. Dis.	
		Reliab.	SEM	Reliab.	SEM
Grade 2					
1. Place Value, Addition, and Subtraction	15	0.77	1.55	0.76	1.57
2. Multiplication, Division, and Fractions	23	0.81	1.92	0.81	1.95
3. Algebra and Functions	6	0.66	0.99	0.62	1.02
4. Measurement and Geometry	14	0.70	1.42	0.67	1.47
5. Statistics, Data Analysis, and Probability	7	0.65	1.01	0.64	1.01
Grade 3					
1. Place Value, Fractions, and Decimals	16	0.80	1.58	0.79	1.62
2. Addition, Subtraction, Multiplication, Division	16	0.83	1.56	0.81	1.58
3. Algebra and Functions	12	0.78	1.40	0.76	1.42
4. Measurement and Geometry	16	0.72	1.60	0.72	1.61
5. Statistics, Data Analysis, and Probability	5	0.68	0.77	0.66	0.80
Grade 4					
1. Decimals, Fractions, and Negative Numbers	17	0.82	1.67	0.78	1.72
2. Operations and Factoring	14	0.81	1.57	0.78	1.60
3. Algebra and Functions	18	0.86	1.75	0.85	1.76
4. Measurement and Geometry	12	0.68	1.51	0.67	1.51
5. Statistics, Data Analysis, and Probability	4	0.48	0.87	0.37	0.90
Grade 5					
1. Estimation, Percents, and Factoring	12	0.52	1.60	0.46	1.60
2. Operations with Fractions and Decimals	17	0.71	1.89	0.67	1.89
3. Algebra and Functions	17	0.78	1.82	0.77	1.84
4. Measurement and Geometry	15	0.66	1.80	0.59	1.82
5. Statistics, Data Analysis, and Probability	4	0.39	0.92	0.38	0.92
Grade 6					
1. Ratios, Proportions, Percentages, and Negative Numbers	15	0.78	1.66	0.73	1.71
2. Operations with Problem Solving with Fractions	10	0.67	1.41	0.64	1.43
3. Algebra and Functions	19	0.80	1.92	0.78	1.95
4. Measurement and Geometry	10	0.51	1.45	0.39	1.46
5. Statistics, Data Analysis, and Probability	11	0.68	1.49	0.59	1.51
Grade 7					
1. Rational Numbers	14	0.61	1.74	0.56	1.74
2. Exponents, Powers, and Roots	8	0.44	1.21	0.42	1.21
3. Quantitative Relationships and Evaluating Expressions	10	0.25	1.45	0.33	1.45
4. Multistep Problems, Graphing, and Functions	15	0.66	1.77	0.63	1.78
5. Measurement and Geometry	13	0.65	1.63	0.60	1.64
6. Statistics, Data Analysis, and Probability	5	0.41	1.04	0.40	1.04