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Validity analyses
for the English
Language Assessment
System for Hispanics
(ELASH), levels I and II

Gary L. Marco

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VALIDITY ANALYSES FOR THE ENGLISH LANGUAGE ASSESSMENT SYSTEM FOR HISPANICS (ELASH), LEVELS I AND II

Report Prepared for the College Board
Puerto Rico and Latin American Office
Gary L. Marco



Oficina de Puerto Rico y América Latina

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Chapter 1

This study involved a validity analysis of the ELASH test battery, Levels I and II, Forms A and B. Item-level and test-level analyses were conducted. Item and test data from the three test parts (e.g., Listening Comprehension, Language Usage and Indirect Writing, and Vocabulary and Reading for Level I forms) and the seven test components (Rejoinders, Short Conversations, etc.) were used in the analysis. (The parts and components are described in a later section of the report.)

The kind of validity investigated in this study can be thought of as a form of convergent-discriminant validity (Campbell & Fiske, 1959). The essential idea underlying this kind of validity is that an item or test should correlate more highly with other measures of the same skills or abilities measured by the item or test than with measures of different skills or abilities. In the context of this study this idea translates into the following principles: (a) A test item should relate most strongly to the part or component it is included in, and (b) a test component should relate most strongly to the part it is included in.

Item-level analyses involved correlating item scores with part scores on the listening, language, and reading tests and scores on the seven components. Items scores should relate most strongly to their own parts and component scores. The key to such analyses is (a) eliminating the spuriousness associated with an item that is included in the test score and (b) making adjustments to the item-test correlations for tests of different lengths. (An item could correlate higher with test parts or components other than with the one for which it is scored simply because of the longer length and higher reliability of the other components.)

Test-level analyses involved the correlation of scores on the various test parts and components. Here too it is necessary to eliminate the spuriousness in the correlation due a test component being included in a part. Test lengths were adjusted to ensure that a test component did not appear to relate more strongly to another test part or component simply because of the latter's higher reliability.

Tests

ELASH consists of two levels (Level I and Level II), each represented by two test forms (Form A and Form B). Each test form consists of three parts and seven components. The breakdown of the parts in terms of components is as follows:

Level I, Forms A and B:

Listening Comprehension-50 items

Rejoinders-25 items
Short Conversations-15 items
Discourse-10 items

Language Usage and Indirect Writing-35 items

Language Usage-21 items
Indirect Writing-14 items

Vocabulary and Reading-35 items

Vocabulary-10 items
Reading-25 items

Level II, Forms A and B:

Listening Comprehension-50 items

Rejoinders-25 items
Short Conversations-15 items
Discourse-10 items

Language Usage and Indirect Composition-35 items

Language Usage-17 items
Indirect Composition-18 items

Idiomatic Expressions and Reading-35 items

Idiomatic Expressions-5 items
Reading-30 items

Because the Listening Comprehension Test is appropriate for a wide range of abilities, it is the same for Levels I and II. The other two test parts are different; the Level II forms consist of harder items.

In the remainder of this report the following shorthand is used to refer to the test levels and test forms: Form IA refers to Form A of Level I; Form IB refers to Form B of Level I, Form IIA refers to Form A of Level II, and Form IIB refers to Form B of Level II.

Samples

The samples for the item and test analyses consisted of the test takers who took Form A or B of ELASH Level I or Level II between June 2000 and April 2002. For these analyses, those test takers who did not reach at least 90% of the items on any of the three test parts were eliminated from the samples. This step was necessary so that for the test takers remaining in the sample, the test was relatively unspeeeded-thus ensuring the appropriateness of the internal consistency reliability analyses used in the study.

Table 1 gives the sample scale score statistics for the total and part tests. The scale score means are somewhat higher than those for the full population of test takers because those test takers who did not reach at least 90% of the items were eliminated from the sample. Table 2 provides various raw score statistics for the total, part, and component tests.

Scale Score Statistics for ELASH Levels I and II, Forms A and B

<i>Test</i>	<i>Mean</i>	<i>SD</i>	<i>Minimum Scores</i>	<i>Maximum Scores</i>
Level I Form A (Sample Size = 2632)				
Listening Comprehension	96	20	54	200
Language Usage and Indirect Writing	104	21	50	150
Vocabulary and Reading	110	26	40	150
Total Test	103	20	59	166
Level I Form B (Sample Size = 5725)				
Listening Comprehension	105	21	58	200
Language Usage and Indirect Writing	115	24	50	150
Vocabulary and Reading	115	26	41	150
Total Test	112	22	63	167
Level II Form A (Sample Size = 3293)				
Listening Comprehension	128	27	46	200
Language Usage and Indirect Writing	130	31	43	200
Vocabulary and Reading	131	27	48	200
Total Test	130	26	64	200
Level II Form B (Sample Size = 2477)				
Listening Comprehension	133	24	58	200
Language Usage and Indirect Writing	135	29	46	200
Vocabulary and Reading	140	27	67	200
Total Test	136	24	79	200

Table 1

Raw Score Statistics for ELASH Levels I and II, Forms A and B

Test	No. of Items	Raw Score Mean	Raw Score SD	Mean % Correct	Mean Pt. Biserial (Item Deleted)	Alpha Reliability
Level I Form A (Sample Size = 2632)						
Total Test	120	73.1	20.7	61%	0.36	0.95
Listening Comprehension	50	25.1	9.3	50%	0.34	0.88
Language Usage and Indirect Writing	35	22.9	6.9	65%	0.38	0.88
Vocabulary and Reading	35	25.1	6.8	72%	0.41	0.89
Rejoinders	25	12.9	4.9	51%	0.32	0.79
Short Conversations	15	7.1	3.5	48%	0.37	0.76
Discourse	10	5.1	2.0	51%	0.20	0.49
Language Usage	21	14.3	4.3	68%	0.38	0.82
Indirect Writing	14	8.6	3.1	62%	0.36	0.74
Vocabulary	10	8.4	1.9	84%	0.38	0.72
Reading	25	16.7	5.4	67%	0.42	0.86
Level I Form B (Sample Size = 5725)						
Total Test	120	69.3	21.6	58%	0.38	0.96
Listening Comprehension	50	22.1	9.1	44%	0.34	0.89
Language Usage and Indirect Writing	35	22.6	7.5	65%	0.42	0.90
Vocabulary and Reading	35	24.5	7.0	70%	0.43	0.90
Rejoinders	25	12.1	4.7	48%	0.30	0.77
Short Conversations	15	5.6	3.1	38%	0.33	0.73
Discourse	10	4.4	2.3	44%	0.33	0.66
Language Usage	21	14.1	4.7	67%	0.42	0.85
Indirect Writing	14	8.5	3.2	61%	0.38	0.77
Vocabulary	10	8.4	1.9	84%	0.41	0.75
Reading	25	16.1	5.5	65%	0.43	0.87
Level II Form A (Sample Size = 3293)						
Total Test	120	88.8	22.1	74%	0.43	0.96
Listening Comprehension	50	37.7	9.4	75%	0.43	0.92
Language Usage and Indirect Composition	35	26.2	7.3	75%	0.45	0.91
Idiomatic Expressions and Reading	35	24.9	6.9	71%	0.43	0.89
Rejoinders	25	18.8	4.8	75%	0.41	0.85
Short Conversations	15	11.7	3.5	78%	0.48	0.85
Discourse	10	7.2	2.0	72%	0.30	0.61
Language Usage	17	12.6	3.9	74%	0.45	0.85
Indirect Composition	18	13.6	3.7	76%	0.42	0.83
Idiomatic Expressions	5	3.9	1.2	77%	0.34	0.56
Reading	30	21.0	6.1	70%	0.42	0.88
Level II Form B (Sample Size = 2477)						
Total Test	120	81.0	21.7	68%	0.40	0.96
Listening Comprehension	50	34.0	9.2	68%	0.40	0.91
Language Usage and Indirect Composition	35	25.5	6.7	73%	0.40	0.88
Idiomatic Expressions and Reading	35	21.6	7.5	62%	0.42	0.89
Rejoinders	25	17.6	4.4	70%	0.35	0.81
Short Conversations	15	9.5	3.4	63%	0.40	0.79
Discourse	10	6.9	2.3	69%	0.38	0.71
Language Usage	17	11.7	3.6	69%	0.39	0.80
Indirect Composition	18	13.8	3.5	76%	0.38	0.79
Idiomatic Expressions	5	3.1	1.4	63%	0.36	0.59
Reading	30	18.4	6.5	61%	0.41	0.87

Table 2

Procedures

The steps involved in carrying out the validity analyses were as follows:

1. Conduct item analyses on the four Level I and Level II samples for each test part and component, providing point-biserial correlations of each item with the three test parts and the seven components. Item-test correlations were thus available for the item with not only its own test part or component but the other parts and components as well. The item analyses provided in addition item difficulty information in the form of percentages of items answered correctly.

Item biserial correlations are often used for item analyses instead of point-biserial correlations to diminish the effects of item difficulty on the magnitude of the correlations. Here item biserial correlations were unnecessary because here items were not compared with one another, thus making comparisons across items irrelevant to the analyses.

2. Calculate raw score reliabilities and standard errors of measurement for each total test, each test part, and each component, using alpha reliability analysis (Cronbach, 1951). The alpha reliability coefficient is the same as the Kuder-Richardson Formula 20 coefficient when items are score right and wrong, as was the case here. The formula for computing coefficient alpha, $\alpha_{xx'}$, is

$$\alpha_{xx'} = \frac{k}{k-1} \left(\sigma_x^2 - \frac{\sum \sigma_i^2}{\sigma_x^2} \right)$$

where k is the number of test items, σ_x^2 is the variance of the score on test x , and σ_i^2 is the variance of the score on item i (scored 1 for a right answer and 0 for a wrong answer). The raw score standard error of measurement, σ_{x_e} , is computed from the reliability coefficient as follows:

$$\sigma_{x_e} = \sigma_x \sqrt{1 - \alpha_{xx'}}$$

3. Compute the reliabilities of tests with each item eliminated, thus providing a reliability coefficient for a test minus one item. This reliability coefficient was needed to adjust the item-test correlations for attenuation due to the unreliability of the test. The formula for "reliability minus one" is

$$\alpha_{(x-i^*)(x-i^*)} = \frac{k-1}{k-2} \left(\sigma_{(x-i^*)}^2 - \frac{\sum \sigma_i^2 - \sigma_{i^*}^2}{\sigma_{(x-i^*)}^2} \right)$$

where k is the number of test items, $\sigma_{(x-i^*)}^2$ is the variance of the score on test x minus the score on item i^* , a particular item i , and $\sigma_{i^*}^2$ is the variance of the score on item i^* (scored 1 for a right answer and 0 for a wrong answer). The variance of a test minus a particular item, $\sigma_{(x-i^*)}^2$, is calculated as follows:

$$\sigma_{(x-i^*)}^2 = \sigma_x^2 + \sigma_{i^*}^2 - 2\rho_{xi^*}\sigma_x\sigma_{i^*}$$

where $\rho_{xi^*}\sigma_x\sigma_{i^*}$, the covariance of test x and item i , is the product of the item-test correlation, ρ_{xi^*} , and their standard deviations, σ_x and σ_{i^*} . The various item analyses provided the data needed for these computations.

4. Correct the item-test point biserial correlations for spuriousness due to an item being part of a particular test. The correction results in the correlation of an item with the test minus the item. This corrected correlation, $\rho_{(x-i^*)i^*}$, is computed as follows:

$$\rho_{(x-i^*)i^*} = \frac{\rho_{xi^*}\sigma_x - \sigma_{i^*}}{\sqrt{\sigma_x^2 + \sigma_{i^*}^2 - 2\rho_{xi^*}\sigma_x\sigma_{i^*}}}$$

where ρ_{xi^*} is the correlation of the score on test x with the score on a particular item, i^* , and the σ 's are the standard deviations of the test x or item i^* scores.

5. Correct the part-total and component-part correlations for spuriousness in those instances where a part score is included in the total score and a component score is included in a part score. This correction involves in concept removing a part or component from a test and adding in a parallel part or component. The appropriate formula was provided by Angoff (1956):

$$\rho_{xg'} = \rho_{xg} - \frac{\sigma_{g_e}^2}{\sigma_x\sigma_g}$$

where $\rho_{xg'}$ is the correlation of the score on test x with the score on a parallel part, test g', ρ_{xg} is the correlation of the score on test x with the score on test g, the original part, $\sigma_{g_e}^2$ is the variance error of measurement for test g, calculated from the alpha reliability coefficient, and σ_x and σ_g are the test x and test g standard deviations, respectively.

6. Correct the item-test correlations for attenuation by estimating the correlations of items with completely reliable tests. Here a variant of the classical correction for attenuation (Lord & Novick, 1968, Equation 3.9.7) was used. It estimates the correlation between the observed score on one measure and the true score on another.

This step involved two different corrections, one for item-test correlations corrected for spuriousness and one for item-test correlations not corrected. (The item-test correlations for an item with a test not containing the item did not need correction.) In the first instance the square root of the reliabilities for a test minus an item was used. In the second, the overall test reliability was used. The correction was computed as follows for items corrected for spuriousness:

$$\rho_{x_i t^*} = \frac{\rho_{(x-i^*)t^*}}{\sqrt{\alpha_{(x-i^*)(x-i^*)}}}$$

where the variables are defined as before and x_i is the true score on test x. For items not corrected for spuriousness, the appropriate equation is

$$\rho_{x_i t^*} = \frac{\rho_{xt^*}}{\sqrt{\alpha_{xx'}}}$$

These corrections for attenuation estimate the correlation between a test item and a test of infinite length. These correlations are called “true” point biserial correlations in this study. The resulting true point biserial correlations are directly comparable because the contaminating influence of test length is eliminated by the corrections. Thus, for example, the true point biserial correlation of an item with a short test component like Idiomatic Expressions, based on five items,

could be compared directly with the true point biserial of the item with a long test component like Rejoinders, based on 25 items.

7. Correct the part-total, component-total, and component-part correlations for attenuation due to the unreliability of the various scores. This step involved applying the classical correction for attenuation to the correlations after they were corrected for spuriousness as necessary. This correction estimates the correlation between true scores on two different measures. This correction is

$$\rho_{x_i y_i} = \frac{\rho_{xy}}{\sqrt{\alpha_{xx'}\alpha_{yy'}}$$

where $\rho_{x_i y_i}$ is the correlation between true score on test x and true scores on test y, ρ_{xy} is the original correlation between observed scores on the two tests, and the α 's are the respective reliability coefficients (Lord & Novick, 1968, Equation 3.9.6). This corrected coefficient is the “true” correlation between two measures.

Validity Analysis Results: Item Analyses

Item-by-item results resulting from carrying out the previous steps are given in the tables in the Appendix. These include the item point biserial correlations corrected for spuriousness, part and component reliabilities with item deleted, and true point biserial correlations. The tables are clustered by test form. Thus, the results for Form IA are given in Appendix Tables A1-A3, those for Form IB in Tables A4-A6, etc. Tables A1, A4, A7, and A10 show the results of correcting the item point biserial correlations for spuriousness. The table cells are blank where an item was not included in a test. Tables A2, A5, A8, and A11 show test reliabilities for the remaining items when an item was deleted from a test.

Reliabilities were computed for parts with items deleted and for components with items deleted. These reliability coefficients were used to correct the item-test point biserial correlations for attenuation in the criterion. Tables A3, A6, A9, and A12 give the true point biserial correlations that resulted from the corrections for attenuation. The areas in gray highlight the parts and components that include the particular items.

Table 3 gives the means and standard deviations of point biserial correlations when the item is

included in the score, point biserial correlations when the item deleted from the score (correction for spuriousness), and true point biserial correlations (criterion score corrected for attenuation). The effect of spuriousness is of course greater for shorter tests than for longer tests. The correction for attenuation brings the mean point biserial correlations approximately halfway back to the mean of the original, spurious, correlation. Table 3 shows that the corrections applied in the study worked as intended.

Means and Standards Derivations of Point Biserial Correlations with Total Test, Part and Component Scores Item Included, Item Deleted, and Criterion Corrected for Attenuation ("True" Point Biserial)

	Total Test	Listening Comprehension			Listening Comprehension			Language Usage and Indirect Writing (or Composition)		Vocabulary (or Idiomatic Expressions) and Reading	
		Listening Comprehension	Language Usage and Indirect Writing (Level I) or Composition (Level II)	Vocabulary (Level I) or Idiomatic Expressions (Level II) and Reading	Rejoinders	Short Conversations	Discourse	Language Usage	Indirect Writing (Level I) or Composition (Level II)	Vocabulary (Level I) or Composition (Level II)	Reading
Level I Form A (Sample Size = 2632)											
No. of Items	120	50	35	35	25	15	10	21	14	10	25
Mean Pt... Biserial (Item Included)	0.38	0.38	0.44	0.46	0.41	0.48	0.42	0.46	0.48	0.53	0.48
SD Pt... Biserial (Item Included)	0.11	0.14	0.08	0.10	0.12	0.11	0.09	0.09	0.07	0.11	0.10
Mean Pt... Biserial (Item Deleted)	0.36	0.34	0.38	0.41	0.32	0.37	0.20	0.38	0.36	0.38	0.42
SD Pt... Biserial (Item Deleted)	0.11	0.14	0.08	0.10	0.12	0.12	0.10	0.08	0.07	0.10	0.10
Mean Pt... Biserial ("True")	0.37	0.36	0.41	0.44	0.36	0.42	0.31	0.42	0.42	0.45	0.45
SD Pt... Biserial ("True")	0.12	0.15	0.09	0.11	0.14	0.14	0.16	0.09	0.08	0.12	0.11
Level I Form B (Sample Size = 5725)											
No. of Items	120	50	35	35	25	15	10	21	14	10	25
Mean Pt... Biserial (Item Included)	0.40	0.39	0.47	0.47	0.39	0.46	0.50	0.50	0.50	0.55	0.49
SD Pt... Biserial (Item Included)	0.13	0.14	0.08	0.10	0.14	0.11	0.08	0.09	0.05	0.13	0.08
Mean Pt... Biserial (Item Deleted)	0.38	0.34	0.42	0.43	0.30	0.33	0.33	0.42	0.38	0.41	0.43
SD Pt... Biserial (Item Deleted)	0.13	0.14	0.08	0.10	0.15	0.11	0.09	0.09	0.05	0.11	0.08
Mean Pt... Biserial ("True")	0.39	0.37	0.45	0.45	0.34	0.39	0.41	0.46	0.44	0.49	0.46
SD Pt... Biserial ("True")	0.13	0.15	0.08	0.10	0.17	0.14	0.12	0.10	0.06	0.13	0.09
Level II Form A (Sample Size = 3293)											
No. of Items	120	50	35	35	25	15	10	17	18	5	30
Mean Pt... Biserial (Item Included)	0.45	0.46	0.50	0.47	0.47	0.57	0.48	0.53	0.51	0.61	0.48
SD Pt... Biserial (Item Included)	0.11	0.12	0.10	0.09	0.11	0.09	0.07	0.11	0.08	0.03	0.10
Mean Pt... Biserial (Item Deleted)	0.43	0.43	0.45	0.36	0.41	0.48	0.30	0.45	0.42	0.34	0.42
SD Pt... Biserial (Item Deleted)	0.11	0.13	0.10	0.09	0.12	0.09	0.10	0.11	0.08	0.06	0.10
Mean Pt... Biserial ("True")	0.44	0.45	0.47	0.45	0.44	0.52	0.39	0.49	0.46	0.48	0.45
SD Pt... Biserial ("True")	0.11	0.13	0.11	0.10	0.13	0.10	0.13	0.12	0.09	0.09	0.11
Level II Form B (Sample Size = 2477)											
No. of Items	120	50	35	35	25	15	10	17	18	5	30
Mean Pt... Biserial (Item Included)	0.41	0.43	0.45	0.47	0.43	0.50	0.53	0.49	0.47	0.62	0.48
SD Pt... Biserial (Item Included)	0.11	0.14	0.08	0.07	0.14	0.11	0.08	0.10	0.06	0.06	0.07
Mean Pt... Biserial (Item Deleted)	0.40	0.40	0.40	0.42	0.35	0.40	0.38	0.39	0.38	0.36	0.41
SD Pt... Biserial (Item Deleted)	0.11	0.14	0.09	0.08	0.15	0.11	0.09	0.10	0.06	0.06	0.07
Mean Pt... Biserial ("True")	0.41	0.41	0.42	0.44	0.39	0.45	0.46	0.44	0.42	0.49	0.44
SD Pt... Biserial ("True")	0.11	0.15	0.09	0.08	0.17	0.13	0.11	0.12	0.07	0.10	0.08

Table 3

Items that Have True Point Biserial Correlations Less than 0.20

Tables 4-7 report for each of the four test forms

the item numbers and percentages of items that were not consistently related to their part or component scores. One category was the items with true biserial correlations less than .20. When a test is assembled from pretested items, items with correlations lower than .20 are often not included in the test. Such items frequently measure specific factors extraneous to the common factor the test is intended to measure.

Level I, Form A: Items not Related Consistently to their Part or Component Scores

Part or Component	No. of Items	Items with "True" Pt. Biserials Less than .20a		Items that Lowered Reliability for Part or Component b		Items with "True" Pt. Biserials Higher with Parts		Items with "True" Pt. Biserials Higher with Components	
		Item Sequence Nos.	% of Items	Item Sequence Nos.	% of Items	Item Sequence Nos.	% of Items	Item Sequence Nos.	% of Items
Listening Comprehension	50	7,21,25,26,29,44,45	14%	7,21,25,26,29,44,45	14%	1,4,7,26,27,29,43,44,45,48	20%	Not Applicable	
Language Usage and Indirect Writing	35	51	3%	51,85	6%	51,53,60,62,69,70,72,73,75,	31%	Not Applicable	
Vocabulary and Reading	35	86	3%	86,116,119	9%	83,84	14%	Not Applicable	
Rejoinders	25	21,25	8%	7,21,22,25	16%	94,95,99,116,119	12%	1,2,3,7,10,12,14,15,16,17,21,23,24,25	56%
Short Conversations	15	26,29	13%	26,29	13%	1,4,7	20%	26,27,29,30,31,33,34,38,39,40	67%
Discourse	10	44(-),45	20%	44,45	20%	26,27,29	40%	42,44(-),45,46,50	50%
Language Usage	21	51	5%	51,70	10%	43,44,45,48	29%	51,53,54,60,69,70,71	33%
Indirect Writing	14		0%	85	7%	51,53,60,62,69,70	36%	72,73,75,81,82,83,84	50%
Vocabulary	10	86	10%	86	10%	72,73,75,83,84	20%	95	10%
Reading	25		0%	116,119	8%	94,95	12%	96,97,99,100,114,116,119	28%

a. A negative sign after an item number indicates that the item had a negative correlation with the criterion.
b. Only part correlations or reliabilities were considered for parts, and only component correlations or reliabilities were considered for components.

Table 4

Level I, Form B: Items not Related Consistently to their Part or Component Scores

Part or Component	No. of Items	Items with "True" Pt. Biserials Less than .20a		Items that Lowered Reliability for Part or Component b		Items with "True" Pt. Biserials Higher with Parts		Items with "True" Pt. Biserials Higher with Components	
		Item Sequence Nos.	% of Items	Item Sequence Nos.	% of Items	Item Sequence Nos.	% of Items	Item Sequence Nos.	% of Items
Listening Comprehension	50	2,4(-),14,19,22,23,31	14%	2,4,14,19,22,23,31	14%	2,3,7,14,22,28,37,44,46	18%	Not Applicable	
Language Usage and Indirect Writing	35	51	3%	51,70	6%	53,61,66,69,70,72,73,75,81	26%	Not Applicable	
Vocabulary and Reading	35	87	3%	87	3%	86,87,92,95,109,116,120	20%	Not Applicable	
Rejoinders	25	2,4(-),14,19,22	20%	4,14,19,22	16%	2,3,7,14,22	20%	1,2,3,7,14,22	24%
Short Conversations	15	31	7%	31	7%	28,37	13%	26,28,33,34,37,39	40%
Discourse	10		0%		0%	44,46	20%	41,43,44,46,49	50%
Language Usage	21		0%	51,70	10%	53,61,66,69,70	24%	51,52,53,54,57,66,69,70	38%
Indirect Writing	14		0%		0%	72,73,75,81	29%	72,74,81,82,85	36%
Vocabulary	10		0%	87	10%	86,87,92,95	40%	95	10%
Reading	25		0%		0%	109,116,120	12%	96,97,98,100,101,109,116,120	32%

a. A negative sign after an item number indicates that the item had a negative correlation with the criterion.
b. Only part correlations or reliabilities were considered for parts, and only component correlations or reliabilities were considered for components.

Table 5

Level II, Form A: Items not Related Consistently to their Part or Component Scores

Part or Component	No. of Items	Items with "True" Pt. Biserials Less than .20a		Items that Lowered Reliability for Part or Component b		Items with "True" Pt. Biserials Higher with Parts		Items with "True" Pt. Biserials Higher with Components	
		Item Sequence Nos.	% of Items	Item Sequence Nos.	% of Items	Item Sequence Nos.	% of Items	Item Sequence Nos.	% of Items
Listening Comprehension	50	7,44	4%	7,25,44,45,49	10%	7,36,44,45,49	10%	Not Applicable	
Language Usage and Indirect Writing	35		0%	59,81	6%	52,59,67,81,82,84,85	20%	Not Applicable	
Vocabulary and Reading	35		0%	115,118	6%	87,105,109,115,118	14%	Not Applicable	
Rejoinders	25	7	4%	7,25	8%	7	4%	1,7,8,16,17,20,22	28%
Short Conversations	15		0%	29	7%	36	7%	31,33	13%
Discourse	10	44	10%	44,45	20%	45,45,49	30%	43,44,45,47,50	50%
Language Usage	17		0%	51,59	12%	52,59,67	18%	51,52,59	18%
Indirect Writing	18		0%	81	6%	81,82,84,85	22%	68,69,70,73,75,76,77,81,82,84,85	61%
Vocabulary	5		0%		0%	87	20%		0%
Reading	30		0%	115,118	7%	105,109,115,118	13%	91,92,93,94,95,96,105,109,110,118	33%

a. A negative sign after an item number indicates that the item had a negative correlation with the criterion.
b. Only part correlations or reliabilities were considered for parts, and only component correlations or reliabilities were considered for components.

Table 6

Level II, Form B: Items not Related Consistently to their Part or Component Scores

Part or Component	No. of Items	Items with "True" Pt. Biserials Less than .20a		Items that Lowered Reliability for Part or Component b		Items with "True" Pt. Biserials Higher with Parts		Items with "True" Pt. Biserials Higher with Components	
		Item Sequence Nos.	% of Items	Item Sequence Nos.	% of Items	Item Sequence Nos.	% of Items	Item Sequence Nos.	% of Items
Listening Comprehension	50	2,4,14(-),22,31	10%	2,4,14,22,31,45	12%	14,22,27,31,44	10%	Not Applicable	
Language Usage and Indirect Writing	35		0%	63	3%	65,82,84,85	11%	Not Applicable	
Idiomatic Expressions and Reading	35	110	3%	110	3%	86,88,90,93,94,99,101,104,110	26%	Not Applicable	
Rejoinders	25	2,4,14(-),22	16%	2,4,14,22	16%	14,22	8%	1,2,3,4,5,14,22,23	28%
Short Conversations	15	31	7%	31	7%	27,31	13%	27,31,32,34,36,37,38,39	53%
Discourse	10		0%	45	10%	44	10%	43,45	20%
Language Usage	17		0%	63	6%	65	6%	51,52,58,62,63,67	35%
Indirect Writing	18		0%	0%	0%	82,84,85	17%	69,71,73,76,77,79,80,	39%
Vocabulary	5		0%		0%	86,88,90	60%	86,88,90	60%
Reading	30	110	3%	110	3%	93,94,99,101,104,110	20%	91,93,94,95,101,104,107,110,113	30%

a. A negative sign after an item number indicates that the item had a negative correlation with the criterion.
b. Only part correlations or reliabilities were considered for parts, and only component correlations or reliabilities were considered for components.

Table 7

Table 8 displays test forms in terms of true point biserial correlations less than .20 and lower reliability for test parts. Table 9 provides comparable information for test components. All of the Listening Comprehension forms except Form IIA have 10% or more of the items with true biserial correlations less than .20. Even so, only a small number of items were affected out of the 50 items that make up a Listening Comprehension Test. The actual items identified when component scores are the criterion were

very similar to those identified with part scores as the criterion (Tables 4-7). Tables 5 and 7 and Table 9 show that Rejoinder items accounted for most of the items in Form B that had correlations less than .20. It may be noted that items 4 (Levels I and II, Form B), 14 (Levels I and II, Form B), and 44 (Levels I and II, Form A) correlate negatively with their true test scores on Listening Comprehension or a component for at least one of the samples.

Display of Test Forms in Terms of the Percentages of Items not Related Consistently to their PART Scores: "True" Point Biserials Less than .20 and Lower Reliability

Percentage	Listening Comprehension	Language Usage and Indirect Writing (Level I) or Composition (Level II)	Vocabulary (Level I) or Idiomatic Expressions (Level II) and Reading
Percentages of Items with "True" Point Biserials Less than .20			
14	IA		
13			
12	IB		
11			
10	IIB		
9			
8			
7			
6			
5			
4	IIA		
3		IA, IB	IA, IB, IIB
2			
1			
0		IIA, IIB	IIA
Percentages of Items that Lowered Reliability (Alpha)			
14	IA, IB		
13			
12	IIB		
11			
10	IIA		
9			IA
8			
7			
6		IA, IB, IIA	IIA
5			
4			
3		IIB	IB, IIB
2			
1			
0			

Table 8

Display of Test Forms in Terms of the Percentages of Items not Related Consistently to their COMPONENT Scores: "True" Point Biserials Less than .20 and Lower Reliability

Percentage	Rejoinders	Short Conversations	Discourse	Language Usage	Indirect Writing (Level I) or Indirect Composition (Level II)	Vocabulary (Level I) or Idiomatic Expressions (Level II)	Reading
Percentages of Items with "True" Point Biserials Less than 20							
20				IA			
18 - 19	IB						
16 - 17	IIB						
14 - 15							
12 - 13		IA				IA	
10 - 11				IIA			
8 - 9	IA						
6 - 7		IB, IIB					
4 - 5	IIA			IA			
2 - 3							IIB
0 - 1		IIA	IB, IIB	IB, IIA, IIB	IA, IB, IIA, IIB	IB, IIA, IIB	IA, IB, IIA
Percentages of Items that Lowered Reliability (Alpha)							
20			IA, IIA				
18 - 19							
16 - 17	IA, IB, IIB						
14 - 15							
12 - 13		IA		IIA			
10 - 11			IIB	IA, IB		IA, IB	
8 - 9	IIA						IA
6 - 7		IB, IIA, IIB		IIB	IA, IIA		IIA
4 - 5							
2 - 3							IIB
0 - 1			IB		IB, IIB	IIA, IIB	IB

Table 9

Very few items have true biserial correlations less than .20 for the other two part tests. The higher percentages for Listening Comprehension may be due in part to its being somewhat more difficult than the other part tests for the Level I test takers. The mean percentages of items answered correctly were 50% and 44% for the Level I samples and 75% and 68% for the Level II samples (see Table 2). The mean percentages answered correctly for the other two parts ranged from 62% to 75%. The forms for the other parts were different for the two levels, thus making it easier to construct tests appropriate for both levels. While the percentages of items with true biserial correlations less than .20 are higher than may be desired for the Listening Comprehension Test, the percentages are relatively low in general and in no way call into question the measurement power of the test.

Items that Lower the Reliability Coefficient of a Test Part or Component

"Reliability minus one" coefficients were available on each of the items, thus permitting comparisons of the reliabilities of shortened tests with the reliabilities of full tests. In some cases the reliability went up when an item was eliminated from the test, indicating that the item did not measure a test's skills and abilities as well as the other test items. Tables 4-7 include the item numbers and percentage of items that lowered the reliability for a part or component. Tables 8 and 9 display test forms in terms of lower reliability for test parts and components, respectively.

Here too the percentages of items are greater for the Listening Comprehension part (as high as 14%) than for the other parts, although the percentages are low overall. Forms IA and IB have slightly more items out of 50 that lowered reliability (see Tables 4 and 5). Again the greater difficulty of the Listening Comprehension test for

for the Level I test takers probably accounts for this finding.

There is considerable overlap among the Listening Comprehension items that lowered reliability for Forms A (four items out of eight) and B (five items out of eight) across the two levels. (Recall that Forms IA and IIA and Forms IB and IIB are the same tests.) Rejoinder items accounted for the most of the items that lowered reliability in all forms but Form IIA (see Tables 4-7). For the other parts and components no more than three items lowered reliability. Given that the percentages of items affected in any one part or component are no higher than 20%, items for these parts and components are in general measuring the same skills and abilities as the full tests.

At least as many items are identified in terms of lowered reliability than in terms of true point biserial correlations less than .20. And in all but one instance the items identified include the items with lower biserials. Item 2 (a Rejoinder item) from Form IB is the only item that the lowered reliability criterion does not identify (see Tables 4-7). The same items tend to be identified whether part reliabilities or component reliabilities are considered. The lowered reliability criterion, however, is a more sensitive measure than lower biserials as to whether an item measures the same common factor as the other test items.

True Point Biserial Correlations that are Higher with a Criterion Other than an Item's Own Part or Component Score

Ideally, a test would be composed of items that correlate higher with its own part true score and component true score than with other criteria. For example, a Rejoinder item would be expected

to correlate higher with the Listening Comprehension true score and the Rejoinder true score than with the scores on any other parts or components. A possible exception to this rule of thumb is an item with true score correlations about as high or even slightly higher with another component from its own part. This exception is tolerable if the part score is the score reported to test users and not the component score, as is the case with the ELASH test battery.

Tables 4-7 report the item numbers and percentages of items with true point biserial correlations that are higher with another part or component. Tables 10 and 11 display the test forms in terms of these percentages for parts and components, respectively. Of particular importance in these tables is the information on how an item relates to its part.

Display of Test Forms in Terms of the Percentages of Items not Related Consistently to their PART Scores: "True" Point Biserials Higher with Another Part

Percentage	Listening Comprehension	Language Usage and Indirect Writing (Level I) or Composition (Level II)	Vocabulary (Level I) or Idiomatic Expressions (Level II) and Reading
30 - 31		IA	
28 - 29			IIB
26 - 27		IB	
24 - 25			
22 - 23			
20 - 21	IA	IIA	IB
18 - 19	IB		
16 - 17			
14 - 15			IA, IIA
12 - 13			
10 - 11	IIA, IIB	IIB	

Table 10

Display of Test Forms in Terms of the Percentages of Items not Related Consistently to their PART or COMPONENT Scores: "True" Point Biserials Higher with Another Criterion

Percentage	Rejoinders	Short Conversations	Discourse	Language Usage	Indirect Writing (Level I) or Indirect Composition (Level II)	Vocabulary (Level I) or Idiomatic Expressions (Level II)	Reading
Percentages of "True" Point Biserials Higher with Another Part							
60 - 64						IIB	
55 - 59							
50 - 54							
45 - 49							
40 - 44			IA			IB	
35 - 39					IA		
30 - 34			IIA				
25 - 29				IA	IB		
20 - 24	IB	IA	IB	IB	IIA	IA, IIA	IIB
15 - 19				IIA	IIB		
10 - 14	IA	IB, IIB	IIB				IA, IB, IIA
5 - 9	IIB	IIA		IIB			
0 - 4	IIA						
Percentages of "True" Point Biserials Higher with Another Component							
65 - 69		IA					
60 - 64					IIA	IIB	
55 - 59	IA						
50 - 54		IIB	IA, IB, IIA		IA		
45 - 49							
40 - 44		IB					
35 - 39				IB, IIB	IB, IIB		
30 - 34				IA			IB, IIA, IIB
25 - 29	IIA, IIB						IA
20 - 24	IB	IA	IIB				
15 - 19				IIA			
10 - 14		IIA				IA, IB	
5 - 9							
0 - 4						IIA	

Table 11

In almost all cases the percentages of items with true point biserial correlations higher with another test part are higher than those for items with biserials less than .20 and items with lowered reliabilities. Table 11 shows that three tests have percentages of 40% or greater: Discourse, Form IA; Idiomatic Expressions, Form IIB; and Vocabulary, Form IB. For the other tests the percentages are reasonably low.

Table 10 shows that the Listening Comprehension forms tend to have lower percentages of items correlating higher with another part than do forms for the other part tests. The percentages for the Level II forms are especially low (10%). While the Listening Comprehension Test is more appropriate for the Level II samples (see Table 2), the overlap of information from both samples needs to be considered. Items 7, 44, and 45 of Form A and items 14, 22, and 44 of Form B correlate higher with another part for both levels. Interestingly, items 7 and 44 of Form A and items 14 and 22 of Form B also have true point biserial correlations less than .20 and lower test reliability (Tables 4-7). Test developers making any test revisions should consider replacing these items along with others that have low true point biserial correlations and lower test reliability.

Forms IA and IB of the Language Usage and Indirect Writing Test and Form IIB of the Idiomatic Expressions and Reading Test had relatively high percentages of items that correlate higher with other part scores. All in all, however, a considerably higher percentage of the items in the ELASH test battery relate to the desired criteria than to other criteria when part scores are the item analysis criteria.

This statement holds true for the most part even when components are considered, although in this case considerably more items were identified that correlate higher with other criteria. As may be noted in Tables 4-7 and Table 11, there are nine instances in which 50% or more of the items correlated higher with another component score. Four of these are for Form IA. There is, however, only one such instance among component items (Idiomatic Expressions for Form IIB) when part scores are the criteria. (See Tables 4-7.) Reading forms show the least variation

in the percentages of items correlating higher with other parts or components (see Table 11). The Reading percentages are relatively low as well.

If these results were to be used for test revision, it would be important for the test developers to investigate whether the higher correlations are with components belonging to the same part. Higher correlations with other parts raise more serious validity concerns about an item, especially if the correlation is considerably higher than the correlation with its own part or component.

A Test Revision Strategy

A useful strategy for test developers in using the item analysis information reported here for test revision is as follows: (a) Consider first the information about lowered reliability, and replace the items that lowered test reliability for its part or component. (b) For the remaining items consider the information about correlations with other criteria. Replace the items that correlated higher with other parts. (c) For the remaining items consider the information about correlations with components. Replace the items that correlated considerably higher with another component, whether from the same part or a different part.

Validity Analysis Results: Test Analyses

Various analyses were carried out at the test level to provide summary information needed for evaluating convergent-discriminant validity. These involved mean true point biserial correlations and true correlations among test parts and components. These correlations were those that resulted when the corrections for spuriousness and attenuation, described in the procedures section, were applied.

In considering the information in the tables, it is important to keep in mind that Forms A and B of

the Listening Comprehension Test are the same for the two test levels. The differences in the tables for these forms result from using different samples and not different test items.

correlations for test parts and components for the four analysis samples. The portions of the tables that are gray identify the cells for which the correlations were expected to be highest. In each table the true point biserial means are given in the rows corresponding to the listed part or component item sets. For example, in Table 12 the true point biserial mean for Listening Comprehension items with the Listening Comprehension part score is .36; and that with the Language Usage and Indirect Writing part score, .30.

Mean True Point Biserial Correlations with the Various Criteria

Tables 12-15 provide the mean true point

Level I, Form A: Mean "True" Point Biserial Correlations for Test Parts and Components

Part or Component Item Set	TOTAL	LIST	LANG	VOC & RDG	REJ	CONV	DISC	USAGE	WRIT	VOC	RDG
Listening Comprehension (LIST)	0.34	0.36	0.30	0.26	0.36	0.36	0.36	0.30	0.30	0.24	0.26
Language Usage and Indirect Writing (LANG)	0.40	0.34	0.41	0.37	0.33	0.34	0.35	0.41	0.40	0.36	0.36
Vocabulary and Reading (VOC&RDG)	0.39	0.31	0.38	0.44	0.28	0.31	0.35	0.37	0.39	0.40	0.43
Rejoinders (REJ)	0.32	0.36	0.29	0.24	0.36	0.34	0.34	0.30	0.28	0.23	0.23
Short Conversations (CONV)	0.39	0.42	0.35	0.31	0.40	0.424	0.422	0.35	0.35	0.28	0.31
Discourse(DISC)	0.28	0.29	0.25	0.24	0.28	0.30	0.31	0.25	0.25	0.22	0.24
Language Usage (USAGE)	0.40	0.35	0.41	0.36	0.34	0.34	0.35	0.42	0.39	0.37	0.34
Indirect Writing (WRIT)	0.40	0.34	0.41	0.38	0.31	0.34	0.35	0.39	0.42	0.35	0.38
Vocabulary (VOC)	0.37	0.29	0.37	0.40	0.28	0.29	0.33	0.37	0.36	0.45	0.37
Reading (RDG)	0.40	0.31	0.39	0.45	0.28	0.33	0.36	0.36	0.41	0.39	0.45

a. Correlations are expressed to three decimal places in some instances to permit a determination as to whether a correlation is higher than another.

Table 12

Level I, Form B: Mean "True" Point Biserial Correlations for Test Parts and Components

Part or Component Item Set	TOTAL	LIST	LANG	VOC & RDG	REJ	CONV	DISC	USAGE	WRIT	VOC	RDG
Listening Comprehension (LIST)	0.34	0.37	0.30	0.29	0.36	0.37	0.36	0.29	0.30	0.25	0.29
Language Usage and Indirect Writing (LANG)	0.43	0.37	0.45	0.43	0.35	0.36	0.38	0.44	0.44	0.41	0.42
Vocabulary and Reading (VOC&RDG)	0.43	0.35	0.43	0.45	0.33	0.35	0.37	0.429	0.42	0.428	0.44
Rejoinders (REJ)	0.31	0.34	0.28	0.26	0.34	0.33	0.32	0.27	0.28	0.23	0.26
Short Conversations (CONV)	0.36	0.39	0.32	0.31	0.38	0.393	0.389	0.31	0.32	0.26	0.31
Discourse(DISC)	0.38	0.40	0.34	0.34	0.38	0.408	0.410	0.33	0.35	0.30	0.35
Language Usage (USAGE)	0.44	0.37	0.45	0.44	0.36	0.36	0.38	0.46	0.44	0.43	0.42
Indirect Writing (WRIT)	0.43	0.37	0.44	0.42	0.35	0.37	0.38	0.42	0.44	0.39	0.42
Vocabulary (VOC)	0.40	0.31	0.42	0.43	0.30	0.31	0.33	0.43	0.39	0.49	0.40
Reading (RDG)	0.44	0.37	0.44	0.46	0.35	0.37	0.39	0.43	0.437	0.40	0.46

a. Correlations are expressed to three decimal places in some instances to permit a determination as to whether a correlation is higher than another.

Table 13

Level II, Form A: Mean "True" Point Biserial Correlations for Test Parts and Components

Part or Component Item Set	TOTAL	LIST	LANG	IDIOM&RDG	REJ	CONV	DISC	USAGE	COMP	IDIOM	RDG
Listening Comprehension (LIST)	0.43	0.45	0.40	0.38	0.44	0.44	0.43	0.41	0.39	0.38	0.38
Language Usage and Indirect Composition (LANG)	0.46	0.43	0.47	0.44	0.41	0.43	0.37	0.47	0.47	0.43	0.43
Idiomatic Expressions and Reading (IDIOM&RDG)	0.43	0.39	0.42	0.45	0.37	0.39	0.34	0.41	0.42	0.43	0.45
Rejoinders (REJ)	0.41	0.43	0.38	0.36	0.44	0.41	0.41	0.39	0.37	0.37	0.36
Short Conversations (CONV)	0.50	0.51	0.47	0.45	0.49	0.52	0.50	0.48	0.46	0.44	0.44
Discourse(DISC)	0.37	0.38	0.35	0.34	0.36	0.38	0.39	0.35	0.35	0.34	0.34
Language Usage (USAGE)	0.48	0.45	0.49	0.45	0.43	0.45	0.38	0.49	0.48	0.44	0.44
Indirect Composition (COMP)	0.45	0.41	0.46	0.43	0.39	0.41	0.35	0.45	0.46	0.42	0.43
Idiomatic Expressions (IDIOM)	0.44	0.40	0.42	0.45	0.39	0.40	0.35	0.42	0.43	0.48	0.44
Reading (RDG)	0.43	0.39	0.42	0.45	0.37	0.38	0.33	0.40	0.42	0.43	0.45

Table 14

Level II, Form B: Mean "True" Point Biserial Correlations for Test Parts and Components

Part or Component Item Set	TOTAL	LIST	LANG	IDIOM&RDG	REJ	CONV	DISC	USAGE	COMP	IDIOM	RDG
Listening Comprehension (LIST)	0.40	0.41	0.36	0.35	0.41	0.41	0.41	0.36	0.35	0.40	0.34
Language Usage and Indirect Composition (LANG)	0.41	0.36	0.42	0.39	0.35	0.37	0.35	0.42	0.42	0.40	0.38
Idiomatic Expressions and Reading (IDIOM&RDG)	0.42	0.38	0.41	0.44	0.35	0.39	0.37	0.40	0.40	0.42	0.44
Rejoinders (REJ)	0.36	0.38	0.32	0.31	0.39	0.38	0.37	0.32	0.31	0.36	0.30
Short Conversations (CONV)	0.43	0.45	0.40	0.39	0.44	0.45	0.44	0.40	0.39	0.43	0.38
Discourse(DISC)	0.43	0.44	0.39	0.39	0.43	0.44	0.46	0.39	0.39	0.43	0.38
Language Usage (USAGE)	0.41	0.37	0.43	0.39	0.36	0.38	0.35	0.44	0.42	0.41	0.39
Indirect Composition (COMP)	0.40	0.36	0.42	0.38	0.34	0.36	0.34	0.40	0.42	0.39	0.37
Idiomatic Expressions (IDIOM)	0.49	0.47	0.46	0.46	0.46	0.47	0.44	0.45	0.46	0.49	0.45
Reading (RDG)	0.41	0.36	0.40	0.44	0.34	0.37	0.36	0.39	0.39	0.41	0.44

Table 15

The relationships among component test scores should show particular patterns. For items from a given part or component, the mean true point biserial correlations should ideally be higher with its own part score or component score than with any other criterion score. For example, Rejoinder items would be expected to have their highest mean true point biserial correlations with scores on the Listening Comprehension part and with scores on the Rejoinder component, not with scores on the other parts or components. Contrary evidence would indicate that affected items perhaps do not "belong" to the part or component to which it is assigned.

Table 16 displays the test forms whose test items did not have the highest mean true point biserial correlations with their own part or

component scores. Here one considers a particular set of items and asks, How did these particular items correlate on average with the various scores from different tests? The means were computed from individual true point biserial correlations with the various tests.

The comparisons of interest involve comparing mean true point biserials for the same item set across different part and component scores. They do not involve comparing mean true point biserials for the same part or component score across different item sets. Because point biserial correlations for easy and hard items tend to be lower than those for middle difficulty items, the mean point biserial correlations of different item sets for a given component were not of interest.

**Display of Test Forms in Terms of their Test-Level Information:
Mean "True" Point Biserial Correlations and Correlations among Parts
and Components After Correction for Spuriousness and Attenuation**

Part or Component	Items Did NOT Have Highest Mean "True" Pt. Biserial with their Own Part or Component(s)		Part or Component "True" Score Did NOT Correlate Highest with Its Own Part or Related Component "True" Scores	
	Part	Component(s)	Part	Component(s)
	Parts			
Listening Comprehension			NA	
Language Usage and Indirect Writing (Level I) or Composition (Level II)			NA	
Vocabulary (Level I) or Idiomatic Expressions (Level II) and Reading		IB	NA	IA, IB
	Componentets			
Rejoinders				
Short Conversations				IIB
Discourse				IIB
Language Usage				
Indirect Writing (Level I) or Composition (Level II)				
Vocabulary (Level I) or Idiomatic Expressions (Level II)	IIB		IIB	IA, IB, IIB
Reading				IA, IB

Table 16

Table 16 shows that all but two sets of items have their highest mean true point biserial correlation with their own parts or components: items in the Vocabulary and Reading part, Form IB, and items in the Idiomatic Expressions component, Form IIB. Vocabulary and Reading items were expected to have their highest mean correlations with the Vocabulary and Reading part score, the Vocabulary component score, and the Reading component score. For Form IB (Table 13) the mean correlation with the Language Usage component score, however, is higher-although only by .001 (.429 vs. .428)-than the mean correlation with the Vocabulary component score. This difference in mean correlations, however, is too small to arouse any validity concern.

Idiomatic Expressions items were expected to have their highest mean correlations with the Idiomatic Expressions and Reading part score and the Idiomatic Expressions component score. For Form IIB (Table 15), however, these items have a higher mean true point biserial correlation with the Listening Comprehension test (.47) than with the Idiomatic Expressions and Reading test (.46). Again the difference between the mean correlations is small.

There were only two instances in which expectations were not met for mean true point biserial correlations. Thus, the mean true point biserial correlations of items with the various criteria provide strong evidence of convergent-discriminant validity for these tests.

True Correlations of Part and Component Scores

Three sets of correlations provide the essential validity information in the true score correlation matrix. One set consists of the intercorrelations of part true scores. Another set consists of the correlations of component true scores with part true scores. The third set consists of the intercorrelations of component true scores.

Part and component true score intercorrelations should show that the various parts and components measure, at least to some extent, different skills or abilities. Moreover, component true scores would be expected to correlate higher with true scores from the part to which the component belongs than with scores from the other parts. For example, Rejoinder true scores should correlate higher with the

Listening Comprehension true score than with the language or reading part scores. In addition, true score correlations of component scores with component scores from the same part should be higher than correlations with the score from any other component. For example, Rejoinder true scores should correlate highest with Short Conversations and Discourse true scores, not with true scores on the other components. Confirmatory results provide convergent-discriminant validity evidence for the test.

Tables 17-20 provide the correlations needed for this analysis. The lower sections of the tables contain the correlations corrected for spuriousness and attenuation, the true correlations. They are shown below the diagonal. The correlations above the diagonal are the uncorrected correlations. For information purposes the tables also give the correlations corrected just for spuriousness (in the upper section below the diagonal). The areas shown in gray in the tables identify the parts and components that should correlate highest.

Level I, Form A: Correlations Among Total, Part, and Component Scores

Variable	TOTAL	LIST	LANG	VOC&RDG	REJ	CONV	DISC	USAGE	WRIT	VOC	RDG
Correlations Below the Diagonal Corrected for Spuriousness											
Total (TOTAL)	1.00	0.91	0.92	0.88	0.83	0.83	0.71	0.87	0.84	0.73	0.85
Listening Comprehension (LIST)	0.85	1.00	0.74	0.64	0.94	0.90	0.76	0.71	0.66	0.54	0.62
Language Usage and Indirect Writing (LANG)	0.88	0.74	1.00	0.79	0.68	0.69	0.56	0.95	0.91	0.68	0.75
Vocabulary and Reading (VOC&RDG)	0.84	0.64	0.79	1.00	0.56	0.61	0.54	0.72	0.75	0.81	0.98
Rejoinders (REJ)	0.78	0.83	0.68	0.56	1.00	0.74	0.59	0.67	0.59	0.48	0.53
Short Conversations (CONV)	0.79	0.81	0.69	0.61	0.74	1.00	0.61	0.65	0.63	0.49	0.60
Discourse (DISC)	0.65	0.65	0.56	0.54	0.59	0.61	1.00	0.54	0.51	0.45	0.53
Language Usage (USAGE)	0.84	0.71	0.84	0.72	0.67	0.65	0.54	1.00	0.74	0.66	0.68
Indirect Writing (WRIT)	0.81	0.66	0.79	0.75	0.59	0.63	0.51	0.74	1.00	0.61	0.73
Vocabulary (VOC)	0.71	0.54	0.68	0.73	0.48	0.49	0.45	0.66	0.61	1.00	0.66
Reading (RDG)	0.81	0.62	0.75	0.87	0.53	0.60	0.53	0.68	0.73	0.66	1.00
Correlations Below the Diagonal Corrected for Spuriousness and Attenuation											
Total (TOTAL)	1.00	0.91	0.92	0.88	0.83	0.83	0.71	0.87	0.84	0.73	0.85
Listening Comprehension (LIST)	0.93	1.00	0.74	0.64	0.94	0.90	0.76	0.71	0.66	0.54	0.62
Language Usage and Indirect Writing (LANG)	0.97	0.84	1.00	0.79	0.68	0.69	0.56	0.95	0.91	0.68	0.75
Vocabulary and Reading (VOC&RDG)	0.91	0.73	0.89	1.00	0.56	0.61	0.54	0.72	0.75	0.81	0.98
Rejoinders (REJ)	0.90	0.99	0.82	0.66	1.00	0.74	0.59	0.67	0.59	0.48	0.53
Short Conversations (CONV)	0.93	0.99	0.84	0.74	0.95	1.00	0.61	0.65	0.63	0.49	0.60
Discourse (DISC)	0.96	0.99	0.86	0.82	0.95	1.01	1.00	0.54	0.51	0.45	0.53
Language Usage (USAGE)	0.95	0.84	0.99	0.85	0.83	0.83	0.85	1.00	0.74	0.66	0.68
Indirect Writing (WRIT)	0.96	0.82	0.98	0.92	0.77	0.84	0.85	0.95	1.00	0.61	0.73
Vocabulary (VOC)	0.86	0.68	0.86	0.91	0.64	0.67	0.76	0.86	0.83	1.00	0.66
Reading (RDG)	0.90	0.71	0.86	0.99	0.64	0.74	0.81	0.81	0.91	0.84	1.00

Table 17

Level I, Form B: Correlations Among Total, Part, and Component Scores

Variable	TOTAL	LIST	LANG	VOC&RDG	REJ	CONV	DISC	USAGE	WRIT	VOC	RDG
Correlations Below the Diagonal Corrected for Spuriousness											
Total (TOTAL)	1.00	0.91	0.93	0.92	0.83	0.82	0.79	0.90	0.86	0.77	0.90
Listening Comprehension (LIST)	0.86	1.00	0.74	0.72	0.94	0.89	0.84	0.70	0.69	0.57	0.71
Language Usage and Indirect Writing (LANG)	0.90	0.74	1.00	0.87	0.67	0.67	0.65	0.96	0.92	0.75	0.84
Vocabulary and Reading (VOC&RDG)	0.89	0.72	0.87	1.00	0.64	0.65	0.66	0.83	0.79	0.83	0.98
Rejoinders (REJ)	0.78	0.82	0.67	0.64	1.00	0.73	0.67	0.64	0.62	0.51	0.63
Short Conversations (CONV)	0.78	0.80	0.67	0.65	0.73	1.00	0.70	0.63	0.63	0.51	0.65
Discourse (DISC)	0.75	0.75	0.65	0.66	0.67	0.70	1.00	0.62	0.61	0.52	0.65
Language Usage (USAGE)	0.86	0.70	0.87	0.83	0.64	0.63	0.62	1.00	0.78	0.75	0.80
Indirect Writing (WRIT)	0.83	0.69	0.82	0.79	0.62	0.63	0.61	0.78	1.00	0.66	0.78
Vocabulary (VOC)	0.74	0.57	0.75	0.76	0.51	0.51	0.52	0.75	0.66	1.00	0.70
Reading (RDG)	0.87	0.71	0.84	0.88	0.63	0.65	0.65	0.80	0.78	0.70	1.00
Correlations Below the Diagonal Corrected for Spuriousness and Attenuation											
Total (TOTAL)	1.00	0.91	0.92	0.88	0.83	0.83	0.71	0.87	0.84	0.73	0.85
Listening Comprehension (LIST)	0.93	1.00	0.74	0.64	0.94	0.90	0.76	0.71	0.66	0.54	0.62
Language Usage and Indirect Writing (LANG)	0.97	0.83	1.00	0.79	0.68	0.69	0.56	0.95	0.91	0.68	0.75
Vocabulary and Reading (VOC&RDG)	0.96	0.80	0.96	1.00	0.56	0.61	0.54	0.72	0.75	0.81	0.98
Rejoinders (REJ)	0.91	0.99	0.80	0.76	1.00	0.74	0.59	0.67	0.59	0.48	0.53
Short Conversations (CONV)	0.93	1.00	0.83	0.81	0.97	1.00	0.61	0.65	0.63	0.49	0.60
Discourse (DISC)	0.95	0.98	0.85	0.85	0.94	1.01	1.00	0.54	0.51	0.45	0.53
Language Usage (USAGE)	0.96	0.81	0.99	0.96	0.79	0.80	0.83	1.00	0.74	0.66	0.68
Indirect Writing (WRIT)	0.97	0.84	0.99	0.95	0.81	0.84	0.86	0.96	1.00	0.61	0.73
Vocabulary (VOC)	0.88	0.70	0.918	0.924	0.67	0.69	0.74	0.94	0.86	1.00	0.66
Reading (RDG)	0.95	0.81	0.95	0.99	0.77	0.82	0.86	0.93	0.95	0.87	1.00

a. Correlations are expressed to three decimal places in some instances to permit a determination as to whether a correlation is higher than another.

Table 18

Level II, Form A: Correlations Among Total, Part, and Component Scores

Variable	TOTAL	LIST	LANG	IDIOM&RDG	REJ	CONV	DISC	USAGE	COMP	IDIOM	RDG
Correlations Below the Diagonal Corrected for Spuriousness											
Total (TOTAL)	1.00	0.94	0.94	0.92	0.88	0.89	0.77	0.91	0.89	0.71	0.90
Listening Comprehension (LIST)	0.91	1.00	0.83	0.78	0.95	0.93	0.82	0.81	0.77	0.61	0.71
Language Usage and Indirect Composition (LANG)	0.91	0.83	1.00	0.83	0.76	0.79	0.68	0.96	0.95	0.64	0.84
Idiomatic Expressions and Reading (IDIOM&RDG)	0.89	0.78	0.83	1.00	0.72	0.75	0.65	0.79	0.80	0.75	0.98
Rejoinders (REJ)	0.85	0.87	0.76	0.72	1.00	0.80	0.67	0.75	0.70	0.57	0.63
Short Conversations (CONV)	0.86	0.87	0.79	0.75	0.80	1.00	0.70	0.78	0.74	0.58	0.65
Discourse (DISC)	0.74	0.73	0.68	0.65	0.67	0.70	1.00	0.65	0.64	0.51	0.65
Language Usage (USAGE)	0.88	0.81	0.87	0.79	0.75	0.78	0.65	1.00	0.82	0.61	0.80
Indirect Composition (COMP)	0.86	0.77	0.86	0.80	0.70	0.74	0.64	0.82	1.00	0.61	0.78
Idiomatic Expressions (IDIOM)	0.68	0.61	0.64	0.68	0.57	0.58	0.51	0.61	0.61	1.00	0.70
Reading (RDG)	0.88	0.77	0.82	0.89	0.71	0.73	0.64	0.78	0.79	0.66	1.00
Correlations Below the Diagonal Corrected for Spuriousness and Attenuation											
Total (TOTAL)	1.00	0.94	0.94	0.92	0.88	0.89	0.77	0.91	0.89	0.71	0.90
Listening Comprehension (LIST)	0.96	1.00	0.83	0.78	0.95	0.93	0.82	0.81	0.77	0.61	0.71
Language Usage and Indirect Composition (LANG)	0.97	0.91	1.00	0.83	0.76	0.79	0.68	0.96	0.95	0.64	0.84
Idiomatic Expressions and Reading (IDIOM&RDG)	0.95	0.86	0.92	1.00	0.72	0.75	0.65	0.79	0.80	0.75	0.98
Rejoinders (REJ)	0.94	0.98	0.87	0.83	1.00	0.80	0.67	0.75	0.70	0.57	0.63
Short Conversations (CONV)	0.96	0.98	0.90	0.86	0.94	1.00	0.70	0.78	0.74	0.58	0.65
Discourse (DISC)	0.96	0.98	0.91	0.88	0.93	0.97	1.00	0.65	0.64	0.51	0.65
Language Usage (USAGE)	0.97	0.92	0.99	0.90	0.89	0.91	0.91	1.00	0.82	0.61	0.80
Indirect Composition (COMP)	0.97	0.88	0.99	0.93	0.84	0.88	0.90	0.98	1.00	0.61	0.78
Idiomatic Expressions (IDIOM)	0.93	0.85	0.90	0.95	0.82	0.85	0.86	0.89	0.90	1.00	0.70
Reading (RDG)	0.95	0.85	0.92	1.00	0.82	0.85	0.87	0.90	0.93	0.94	1.00

Table 19

Level II, Form B: Correlations Among Total, Part, and Component Scores

Variable	TOTAL	LIST	LANG	IDIOM&RDG	REJ	CONV	DISC	USAGE	COMP	IDIOM	RDG
Correlations Below the Diagonal Corrected for Spuriousness											
Total (TOTAL)	1.00	0.93	0.92	0.92	0.85	0.87	0.82	0.87	0.86	0.78	0.90
Listening Comprehension (LIST)	0.89	1.00	0.77	0.77	0.94	0.92	0.86	0.74	0.71	0.71	0.73
Language Usage and Indirect Composition (LANG)	0.88	0.77	1.00	0.81	0.70	0.74	0.69	0.94	0.94	0.69	0.79
Idiomatic Expressions and Reading (IDIOM&RDG)	0.89	0.77	0.81	1.00	0.68	0.73	0.70	0.77	0.76	0.77	0.99
Rejoinders (REJ)	0.81	0.85	0.70	0.68	1.00	0.78	0.72	0.67	0.64	0.65	0.65
Short Conversations (CONV)	0.84	0.84	0.74	0.73	0.78	1.00	0.74	0.70	0.68	0.67	0.70
Discourse (DISC)	0.79	0.79	0.69	0.70	0.72	0.74	1.00	0.65	0.65	0.62	0.67
Language Usage (USAGE)	0.84	0.74	0.83	0.77	0.67	0.70	0.65	1.00	0.76	0.65	0.75
Indirect Composition (COMP)	0.82	0.71	0.83	0.76	0.64	0.68	0.65	0.76	1.00	0.64	0.74
Idiomatic Expressions (IDIOM)	0.76	0.71	0.69	0.70	0.65	0.67	0.62	0.65	0.64	1.00	0.68
Reading (RDG)	0.86	0.73	0.79	0.88	0.65	0.70	0.67	0.75	0.74	0.68	1.00
Correlations Below the Diagonal Corrected for Spuriousness and Attenuation											
Total (TOTAL)	1.00	0.93	0.92	0.92	0.85	0.87	0.82	0.87	0.86	0.78	0.90
Listening Comprehension (LIST)	0.95	1.00	0.77	0.77	0.94	0.92	0.86	0.74	0.71	0.71	0.73
Language Usage and Indirect Composition (LANG)	0.96	0.86	1.00	0.81	0.70	0.74	0.69	0.94	0.94	0.69	0.79
Idiomatic Expressions and Reading (IDIOM&RDG)	0.96	0.85	0.91	1.00	0.68	0.73	0.70	0.77	0.76	0.77	0.99
Rejoinders (REJ)	0.92	0.99	0.82	0.80	1.00	0.78	0.72	0.67	0.64	0.65	0.65
Short Conversations (CONV)	0.97	0.99	0.88	0.87	0.972	1.00	0.74	0.70	0.68	0.67	0.70
Discourse (DISC)	0.96	0.98	0.87	0.87	0.9529	0.99	1.00	0.65	0.65	0.62	0.67
Language Usage (USAGE)	0.96	0.86	0.99	0.91	0.83	0.88	0.86	1.00	0.76	0.65	0.75
Indirect Composition (COMP)	0.94	0.84	0.99	0.90	0.80	0.86	0.86	0.95	1.00	0.64	0.74
Idiomatic Expressions (IDIOM)	1.00	0.97	0.95	0.96	0.9455	0.975	0.9530	0.940	0.93	1.00	0.68
Reading (RDG)	0.94	0.82	0.90	1.00	0.77	0.85	0.85	0.89	0.88	0.942	1.00

a. Correlations are expressed to three or four decimal places in some instances to permit a determination as to whether a correlation is higher than another.

Table 20

Part true score relationships

With regard to part true score relationships, there is only one true score correlation that suggests the lack of part independence. For Form IB the Language and Indirect Writing part has a true score correlation of .96 with the Vocabulary and Reading part (see Table 18). As a rule true score correlations at or above .96 indicate that tests may measure the same skills and abilities. Otherwise the part test true score correlations range from .64 to .92, indicating that the parts measure similar but separate underlying skills and abilities.

Component true score relationships

For the most part component true score relationships also show a measure of independence. There are only 8 instances (of 84 possible correlations-21 for each form) where true score correlations are higher with other components than is desirable. Test components that evidence true score correlations (.96 or higher) with other components and their correlations are the following:

- Short Conversations and Discourse (Form IA), 1.01
- Rejoinders and Short Conversations (Form IB), .97
- Short Conversations and Discourse (Form IB), 1.01
- Language Usage and Indirect Writing (Form IB), .96
- Short Conversations and Discourse (Form IIA), .97
- Rejoinders and Short Conversations (Form IIB), .97
- Short Conversations and Discourse (Form IIB), .99
- Short Conversations and Idiomatic Expressions (Form IIB), .975

It may be noted that two of the true score correlations are greater than 1.00. This result can occur when reliability estimates are too low.

Only the last pair of components involves components from different parts. All but two of the pairs involve two Listening Comprehension components, suggesting that the Listening Comprehension components, especially those for Form B (at both levels), come close to measuring

a single underlying factor. For Form A (also at both levels) Short Conversations and Discourse appear to measure the same underlying skills and abilities. Moreover, the Form IB Language Usage and Indirect Writing components also appear to measure the same factor. Because part scores are of primary interest in the ELASH battery, this lack of independence is not of particular concern.

It is desirable that components that measure skills and abilities in different ways also measure somewhat different skills, thus showing convergent-discriminant validity. As long as the components all contribute primarily to their part score, however, part score measurement power is unaffected. Nevertheless, test developers are advised to pay attention to item-component correlations if they wish the distinctive ways of measuring to provide more independent measurement in a psychometric sense.

Part-component relationships

Table 16, shown previously, displays test forms in terms of whether a part score correlates highest with its own components and whether a component score correlates highest with its own part or related component(s). With regard to part-component relationships, part scores have higher true score correlations with their own components for all but Form IA and Form IB. For both forms the Vocabulary and Reading part true score correlates higher with one or more language components than with Vocabulary. For Level IA the true score correlations are higher with Indirect Writing. For Form IB the true score correlations are higher with both Language Usage and Indirect Writing. (This is the form for which the language and reading parts measured almost the same skills and abilities.) In any revision of the test battery, test developers are advised to find test items that would reduce the redundancy between the listening and reading part and component scores, particularly for Form IB.

Component-part relationships

With regard to component-part relationships, only one component, Idiomatic Expressions (Form IIB), does not have a true score correlation higher with its own part. The correlation with the Listening Comprehension true score is .97, .01 higher than the correlation with the Idiomatic Expressions and Reading score (see Table 20). This test component, however, is made up of only five items. Also, as Table 18 shows, the true score on Vocabulary, Form IB, correlates almost as high with the Language Usage and Indirect Writing true score (.918) as with the true score on its own part, Vocabulary and Reading (.924). In all other instances true score correlations of component scores with part scores are considerably higher for components from the same parts.

Component-component relationships

The story for component-component relationships is more complicated. Table 16 shows that there three components for which true score correlations are higher with components from their own part on all four forms: Rejoinders, Language Usage, and Indirect Writing (Level I) or Indirect Composition (Level II). For the other four components, however, a component's true score correlates higher with a component true score from another part (Vocabulary or Idiomatic Expressions on three of the four forms, Reading on two forms, and Short Conversations and Discourse on one form).

Those component true score correlations that are higher with components from different parts are the following (see Tables 17-20):

- Reading and Indirect Writing (Form IA), .91 (vs. .84 with Vocabulary)
- Vocabulary and Language Usage (Form IB), .94 (vs. .87 with Reading)
- Reading and Language Usage (Form IB), .93 (vs. .87 with Vocabulary)

- Reading and Indirect Writing (Form IB), .95 (vs. .87 with Vocabulary)
- Short Conversations and Idiomatic Expressions (Form IIB), .975 (vs. .972 with Rejoinders)
- Discourse and Idiomatic Expressions (Form IIB), .9530 (vs. .9529 with Rejoinders)
- Idiomatic Expressions and Rejoinders (Form IIB), .9455 (vs. .942 with Reading)
- Idiomatic Expressions and Short Conversations (Form IIB), .975 (vs. .942 with Reading)
- Idiomatic Expressions and Discourse (Form IIB), .9530 (vs. .942 with Reading)

The correlations in parentheses are the ones exceeded by the reported correlations.

In four of these 10 instances the differences between the two correlations are .015 or less and not of much concern. These four instances and one other involve the Idiomatic Expressions component of Form IIB. It would appear that on Form IIB this component belongs more to the Listening part than to the Idiomatic Expressions and Reading part. Idiomatic Expressions consists, however, of a sample of only five items. Another five item set might well have yielded different results. In any test revision test developers would want to find Idiomatic Expressions items that correlate lower with the Listening components.

Reading and Vocabulary components are involved in the other comparisons. The differences in correlations range from .02 to .08. All of the higher true score correlations are with a component of the language part. In the case of Form IB, the true score relationship (.95) suggests that the Reading component and the Indirect Writing component measure almost the same underlying skills and abilities. In revising the test battery, test developers are advised to choose test items that increase the independence of the reading and language components.

Form IIA was the one form for which all component true score have higher correlations with components from the same part. This form demonstrates strong convergent-discriminant validity for both components and parts.

Summary

This study involved a validity analysis of the ELASH test battery, Levels I and II, Forms A and B. Item and test data came from the listening, language, and reading test parts and the seven test components (Rejoinders, Short Conversations, etc.). The kind of validity investigated in this study can be thought of as a form of convergent-discriminant validity (Campbell & Fiske, 1959). In the context of this study this idea translates into the following principles: (a) A test item should relate most strongly to the part or component it is included in, and (b) a test component should relate most strongly to the part in which it is included.

Procedures

The samples for validity analyses consisted of the test takers who took Form A or B of ELASH Level I or Level II between June 2000 and April 2002. For these analyses, those test takers who did not reach at least 90% of the items on any of the three test parts were eliminated from the samples.

Item-level analyses involved correlating item scores with scores on the listening, language, and reading part tests and scores on the seven component tests. To permit valid comparisons it was necessary (a) to eliminate the spuriousness associated with an item that is included in a test score and (b) to estimate item-test correlations with perfectly reliable criteria. (A variant of the classical correction for attenuation was used.) These corrections resulted in true point biserial correlations of an item with the various part and component scores.

Test-level analyses involved the correlation of scores on the various test parts and components. Here it was also necessary to eliminate the spuriousness of the correlation when a test component is included in a part and to adjust part-part, component-part, and component-component correlations to reflect completely reliable tests. The classical correction for

attenuation was used, thus yielding the true score correlations that were analyzed and interpreted.

Item Analysis Results

With regard to the percentages of items with true biserial correlations less than .20, those for the Listening Comprehension part and components are the highest (as high as 20%). The percentages across all parts and components, however, are 10% or less for the most part and in no way call into question the measurement power of the test.

Another item analysis criterion was whether the reliability of a test increased when an item was deleted from the test. An increase in test reliability indicates that an item does not measure as well as the other items the skills and abilities measured by a test. In all but one instance the items identified include the items with biserials less than .20.

The percentages of items that lower test reliability are greater for the Listening Comprehension part than for the other parts, but the percentages are low overall (10%-14%). Given that the percentages of items affected in any one part or component are no higher than 20%, it can be concluded that the items for these parts and components are in general measuring the same skills and abilities as the total tests from which they come.

Another item analysis criterion was whether an item's true point biserial correlation was higher for a component or part that does not include the item. Compared with language and reading tests, Listening Comprehension tests tend to have lower percentages of items with true point biserial correlations higher with another part. Across the test forms all components and parts have relatively low percentages of items with true correlations higher with other parts.

When items from specific component are considered, however, considerably more items were identified that correlate higher with another part or component. Components still tend to have

true point biserial correlations that are higher with their own parts and components.

Test Analysis Results

In terms of mean true point biserial correlations, all but two sets of items have their highest mean true point biserial correlation with their own parts or components. Thus, the mean true point biserial correlations of items with the various criteria provide strong evidence of convergent-discriminant validity for these tests.

Part true score relationships suggest the lack of part independence in only one instance: the correlation between the Language Usage and Indirect Writing part and the Vocabulary and Reading part. For the most part component true score relationships also show a measure of independence. There are, however, 8 correlations (of 84 possible component correlations) where true score correlations are .96 or higher, thus showing some redundancy of measurement. All but two of the correlations involve Listening Comprehension components.

With regard to part-component true score relationships, part scores have higher true score correlations with their own components for all but Form IA and Form IB. For those forms the Vocabulary and Reading part true score correlates higher with one or more language components than with Vocabulary. With regard to component-part relationships, all but two true score correlations are considerably higher for components from the same parts.

In terms of component-component relationships there were 10 correlations (out of 84 possible correlations) in which the true score correlations are higher with components from a different part. These correlations show redundancy among the Idiomatic Expressions component and the Listening components on Form IIB and among the Reading and Vocabulary components and the language components on Forms IA and IB.

Form IIA is the one form for which all component true scores have higher correlations with components from the same part. This form

demonstrates strong convergent-discriminant validity not only for components, but for parts as well.

The strongest evidence for convergent-discriminant validity comes from the test analysis information: mean true point biserial correlations of components with parts and true score correlations of components with parts. Item true point biserial correlations also demonstrate

validity in the sense that for the most part parts and components have large percentages of items that (a) have true item biserial correlations greater than .20, (b) do not raise test reliability when deleted from the test, (c) do not correlate higher with another part, and (d) do not correlate higher with another component. Individual item true point biserial correlations are perhaps best considered as part of a plan to revise the test battery.

Appendix

Level I, Form A: Part and Component Reliabilities with Item Deleted

Item Sequence No.	Component	Listening Comprehension		Item Sequence No.	Component	Language Usage and Indirect Composition		Item Sequence No.	Component	Vocabulary and Reading	
		Part Reliability with Item Deleted	Component Reliability with Item Deleted			Part Reliability with Item Deleted	Component Reliability with Item Deleted			Part Reliability with Item Deleted	Component Reliability with Item Deleted
1	Rejoinders	0.882	0.788	51	Language Usage	0.878	0.820	86	Vocabulary	0.892	0.723
2	Rejoinders	0.881	0.787	52	Language Usage	0.877	0.818	87	Vocabulary	0.891	0.706
3	Rejoinders	0.880	0.782	53	Language Usage	0.876	0.815	88	Vocabulary	0.890	0.709
4	Rejoinders	0.879	0.777	54	Language Usage	0.875	0.813	89	Vocabulary	0.889	0.691
5	Rejoinders	0.879	0.777	55	Language Usage	0.873	0.808	90	Vocabulary	0.888	0.687
6	Rejoinders	0.879	0.779	56	Language Usage	0.875	0.813	91	Vocabulary	0.888	0.678
7	Rejoinders	0.883	0.791	57	Language Usage	0.874	0.811	92	Vocabulary	0.889	0.695
8	Rejoinders	0.879	0.780	58	Language Usage	0.874	0.811	93	Vocabulary	0.888	0.681
9	Rejoinders	0.878	0.774	59	Language Usage	0.874	0.811	94	Vocabulary	0.888	0.687
10	Rejoinders	0.880	0.782	60	Language Usage	0.875	0.814	95	Vocabulary	0.889	0.706
11	Rejoinders	0.878	0.776	61	Language Usage	0.873	0.809	96	Reading	0.890	0.862
12	Rejoinders	0.879	0.778	62	Language Usage	0.874	0.810	97	Reading	0.889	0.861
13	Rejoinders	0.878	0.775	63	Language Usage	0.873	0.808	98	Reading	0.888	0.860
14	Rejoinders	0.880	0.784	64	Language Usage	0.874	0.810	99	Reading	0.888	0.860
15	Rejoinders	0.882	0.790	65	Language Usage	0.871	0.805	100	Reading	0.890	0.863
16	Rejoinders	0.879	0.779	66	Language Usage	0.874	0.812	101	Reading	0.890	0.863
17	Rejoinders	0.880	0.782	67	Language Usage	0.873	0.810	102	Reading	0.887	0.857
18	Rejoinders	0.882	0.790	68	Language Usage	0.874	0.810	103	Reading	0.888	0.859
19	Rejoinders	0.883	0.790	69	Language Usage	0.874	0.812	104	Reading	0.887	0.857
20	Rejoinders	0.880	0.782	70	Language Usage	0.877	0.820	105	Reading	0.885	0.855
21	Rejoinders	0.884	0.795	71	Language Usage	0.875	0.814	106	Reading	0.885	0.855
22	Rejoinders	0.883	0.791	72	Indirect Writing	0.876	0.737	107	Reading	0.886	0.857
23	Rejoinders	0.882	0.788	73	Indirect Writing	0.876	0.730	108	Reading	0.888	0.859
24	Rejoinders	0.881	0.784	74	Indirect Writing	0.874	0.725	109	Reading	0.887	0.858
25	Rejoinders	0.884	0.795	75	Indirect Writing	0.876	0.732	110	Reading	0.884	0.853
26	Short Conversations	0.883	0.767	76	Indirect Writing	0.874	0.718	111	Reading	0.888	0.860
27	Short Conversations	0.881	0.759	77	Indirect Writing	0.872	0.717	112	Reading	0.887	0.857
28	Short Conversations	0.878	0.740	78	Indirect Writing	0.874	0.725	113	Reading	0.889	0.861
29	Short Conversations	0.884	0.771	79	Indirect Writing	0.875	0.726	114	Reading	0.888	0.859
30	Short Conversations	0.879	0.747	80	Indirect Writing	0.873	0.720	115	Reading	0.889	0.860
31	Short Conversations	0.879	0.750	81	Indirect Writing	0.873	0.723	116	Reading	0.892	0.866
32	Short Conversations	0.878	0.739	82	Indirect Writing	0.873	0.725	117	Reading	0.890	0.862
33	Short Conversations	0.880	0.752	83	Indirect Writing	0.876	0.735	118	Reading	0.890	0.862
34	Short Conversations	0.878	0.741	84	Indirect Writing	0.875	0.732	119	Reading	0.892	0.865
35	Short Conversations	0.881	0.758	85	Indirect Writing	0.878	0.746	120	Reading	0.891	0.864
36	Short Conversations	0.880	0.749								
37	Short Conversations	0.881	0.755								
38	Short Conversations	0.878	0.744								
39	Short Conversations	0.879	0.745								
40	Short Conversations	0.876	0.733								
41	Discourse	0.879	0.416								
42	Discourse	0.879	0.434								
43	Discourse	0.880	0.433								
44	Discourse	0.886	0.526								
45	Discourse	0.884	0.505								
46	Discourse	0.881	0.455								
47	Discourse	0.880	0.423								
48	Discourse	0.882	0.461								
49	Discourse	0.882	0.461								
50	Discourse	0.882	0.470								

a. The alpha reliabilities of part and component scores with the item included are as follows:

Listening Comprehension:	0.883	Rejoinders:	0.791	Language Usage:	0.848	Vocabulary:	0.719
Lang. Usage and Indirect Writing:	0.878	Short Conversations:	0.763	Indirect Writing:	0.743	Reading:	0.865
Vocabulary and Reading:	0.891	Discourse:	0.486				

Table A 2

Level I, Form A: "True" Point Biserial Correlations of Items with Total Test, Part, and Component Scores

Item Sequence No.	Component	Total Test	Listening Comprehension	Language Usage and Indirect Writing	Vocabulary and Reading	Listening Comprehension			Language Usage and Indirect Writing		Vocabulary and Reading	
						Rejoinders	Short Conversations	Discourse	Language Usage	Indirect Writing	Vocabulary	Reading
Vocabulary		0.101	0.062	0.094	0.139	0.046	0.058	0.114	0.100	0.081	0.180	0.121
Vocabulary		0.261	0.191	0.269	0.292	0.189	0.174	0.218	0.273	0.254	0.385	0.254
Vocabulary		0.302	0.241	0.282	0.340	0.207	0.256	0.295	0.276	0.281	0.353	0.323
Vocabulary		0.374	0.263	0.394	0.428	0.236	0.275	0.301	0.387	0.392	0.497	0.393
Vocabulary		0.474	0.403	0.464	0.477	0.373	0.416	0.439	0.462	0.451	0.524	0.446
Vocabulary		0.475	0.376	0.481	0.504	0.367	0.361	0.406	0.492	0.448	0.588	0.463
Vocabulary		0.434	0.368	0.424	0.440	0.367	0.345	0.388	0.425	0.408	0.466	0.416
Vocabulary		0.407	0.268	0.417	0.504	0.237	0.278	0.324	0.401	0.427	0.597	0.460
Vocabulary		0.481	0.404	0.493	0.470	0.403	0.372	0.446	0.493	0.476	0.527	0.438
Vocabulary		0.417	0.347	0.426	0.412	0.334	0.344	0.365	0.428	0.409	0.408	0.396
Reading		0.288	0.179	0.294	0.371	0.142	0.190	0.259	0.287	0.294	0.362	0.359
Reading		0.337	0.232	0.314	0.435	0.179	0.253	0.332	0.308	0.312	0.425	0.419
Reading		0.392	0.290	0.391	0.450	0.261	0.304	0.327	0.374	0.402	0.434	0.436
Reading		0.473	0.384	0.497	0.467	0.369	0.377	0.417	0.486	0.496	0.454	0.451
Reading		0.223	0.116	0.211	0.336	0.081	0.125	0.192	0.204	0.215	0.336	0.322
Reading		0.215	0.094	0.234	0.317	0.073	0.107	0.123	0.217	0.250	0.294	0.312
Reading		0.474	0.365	0.453	0.546	0.317	0.396	0.420	0.418	0.489	0.442	0.559
Reading		0.394	0.270	0.388	0.490	0.224	0.294	0.338	0.355	0.423	0.429	0.490
Reading		0.471	0.363	0.444	0.548	0.323	0.368	0.449	0.420	0.464	0.462	0.555
Reading		0.530	0.414	0.496	0.617	0.363	0.445	0.469	0.471	0.518	0.512	0.627
Reading		0.572	0.468	0.556	0.608	0.447	0.472	0.492	0.520	0.591	0.521	0.612
Reading		0.504	0.371	0.498	0.589	0.342	0.367	0.438	0.483	0.503	0.551	0.576
Reading		0.457	0.397	0.425	0.474	0.369	0.407	0.432	0.401	0.445	0.379	0.487
Reading		0.444	0.329	0.429	0.526	0.284	0.361	0.373	0.391	0.470	0.443	0.532
Reading		0.618	0.514	0.599	0.650	0.468	0.539	0.563	0.573	0.616	0.545	0.659
Reading		0.348	0.225	0.347	0.446	0.186	0.233	0.309	0.313	0.387	0.377	0.450
Reading		0.470	0.383	0.435	0.528	0.352	0.391	0.432	0.404	0.466	0.440	0.536
Reading		0.309	0.195	0.304	0.405	0.167	0.212	0.231	0.269	0.346	0.354	0.406
Reading		0.492	0.452	0.462	0.471	0.417	0.465	0.494	0.436	0.483	0.373	0.485
Reading		0.429	0.373	0.403	0.440	0.346	0.387	0.399	0.378	0.426	0.362	0.448
Reading		0.306	0.329	0.286	0.226	0.319	0.327	0.336	0.263	0.311	0.171	0.236
Reading		0.352	0.316	0.324	0.353	0.299	0.321	0.335	0.303	0.344	0.238	0.378
Reading		0.362	0.329	0.332	0.357	0.307	0.341	0.346	0.306	0.359	0.266	0.374
Reading		0.302	0.283	0.282	0.281	0.273	0.274	0.310	0.266	0.295	0.207	0.295
Reading		0.245	0.159	0.237	0.320	0.135	0.172	0.191	0.222	0.252	0.254	0.330

Table A 3

Level I, Form B: Item Point Biserial Correlations with Total Test, Part, and Component Scores Item Included and Item Deleted

Item Sequence No.	Component	Total Test		Listening Comprehension		Language Usage and Indirect Composition		Vocabulary and Reading		Rejoinders		Short Conversations		Discourse		Language Usage		Indirect Writing		Vocabulary		Reading		
		Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted	
Listening Comprehension:																								
1	Rejoinders	0.401	0.382	0.435	0.388	0.346	0.388	0.309	0.309	0.448	0.357	0.363	0.316	0.316	0.316	0.336	0.313	0.313	0.238	0.238	0.309	0.309	0.309	0.309
2	Rejoinders	0.239	0.221	0.221	0.178	0.239	0.178	0.223	0.223	0.238	0.154	0.159	0.177	0.177	0.177	0.216	0.183	0.183	0.219	0.219	0.238	0.238	0.238	0.238
3	Rejoinders	0.443	0.427	0.395	0.354	0.413	0.354	0.417	0.417	0.397	0.316	0.316	0.316	0.316	0.316	0.412	0.163	0.163	0.397	0.397	0.443	0.443	0.443	0.443
4	Rejoinders	-0.135	-0.158	-0.067	-0.121	-0.163	-0.121	-0.159	-0.159	0.005	-0.101	-0.121	-0.121	-0.121	-0.121	-0.157	-0.150	-0.150	-0.123	-0.123	-0.135	-0.135	-0.135	-0.135
5	Rejoinders	0.331	0.311	0.402	0.356	0.253	0.224	0.224	0.224	0.429	0.339	0.339	0.339	0.339	0.339	0.231	0.250	0.250	0.247	0.247	0.331	0.331	0.331	0.331
6	Rejoinders	0.375	0.355	0.416	0.369	0.265	0.234	0.234	0.234	0.521	0.441	0.441	0.441	0.441	0.441	0.347	0.362	0.362	0.347	0.347	0.375	0.375	0.375	0.375
7	Rejoinders	0.532	0.516	0.510	0.469	0.492	0.441	0.447	0.447	0.521	0.441	0.407	0.407	0.407	0.407	0.470	0.432	0.432	0.460	0.460	0.532	0.532	0.532	0.532
8	Rejoinders	0.522	0.506	0.526	0.486	0.456	0.419	0.419	0.419	0.538	0.457	0.428	0.428	0.428	0.428	0.444	0.408	0.408	0.439	0.439	0.522	0.522	0.522	0.522
9	Rejoinders	0.295	0.275	0.377	0.332	0.205	0.204	0.204	0.204	0.400	0.314	0.293	0.293	0.293	0.293	0.192	0.197	0.197	0.202	0.202	0.295	0.295	0.295	0.295
10	Rejoinders	0.269	0.248	0.354	0.306	0.188	0.188	0.188	0.188	0.387	0.294	0.275	0.275	0.275	0.275	0.166	0.166	0.166	0.166	0.166	0.269	0.269	0.269	0.269
11	Rejoinders	0.532	0.515	0.562	0.522	0.449	0.417	0.417	0.417	0.591	0.481	0.473	0.473	0.473	0.473	0.431	0.438	0.438	0.434	0.434	0.532	0.532	0.532	0.532
12	Rejoinders	0.382	0.363	0.461	0.417	0.295	0.265	0.265	0.265	0.485	0.369	0.370	0.370	0.370	0.370	0.278	0.285	0.285	0.278	0.278	0.382	0.382	0.382	0.382
13	Rejoinders	0.382	0.363	0.461	0.417	0.295	0.265	0.265	0.265	0.485	0.369	0.370	0.370	0.370	0.370	0.278	0.285	0.285	0.278	0.278	0.382	0.382	0.382	0.382
14	Rejoinders	0.209	0.187	0.197	0.145	0.190	0.145	0.169	0.169	0.218	0.117	0.140	0.140	0.140	0.140	0.178	0.158	0.158	0.209	0.209	0.209	0.209	0.209	0.209
15	Rejoinders	0.479	0.462	0.483	0.441	0.419	0.369	0.369	0.369	0.487	0.413	0.395	0.395	0.395	0.395	0.366	0.366	0.366	0.366	0.366	0.479	0.479	0.479	0.479
16	Rejoinders	0.413	0.393	0.480	0.436	0.324	0.324	0.324	0.324	0.464	0.407	0.399	0.399	0.399	0.399	0.306	0.306	0.306	0.306	0.306	0.413	0.413	0.413	0.413
17	Rejoinders	0.249	0.229	0.318	0.271	0.188	0.188	0.188	0.188	0.354	0.261	0.244	0.244	0.244	0.244	0.172	0.185	0.185	0.244	0.244	0.249	0.249	0.249	0.249
18	Rejoinders	0.268	0.254	0.329	0.278	0.170	0.170	0.170	0.170	0.354	0.261	0.244	0.244	0.244	0.244	0.172	0.185	0.185	0.244	0.244	0.268	0.268	0.268	0.268
19	Rejoinders	0.268	0.254	0.329	0.278	0.170	0.170	0.170	0.170	0.354	0.261	0.244	0.244	0.244	0.244	0.172	0.185	0.185	0.244	0.244	0.268	0.268	0.268	0.268
20	Rejoinders	0.369	0.349	0.442	0.399	0.291	0.269	0.269	0.269	0.473	0.394	0.341	0.341	0.341	0.341	0.274	0.276	0.276	0.269	0.269	0.369	0.369	0.369	0.369
21	Rejoinders	0.284	0.264	0.361	0.315	0.208	0.208	0.208	0.208	0.400	0.311	0.279	0.279	0.279	0.279	0.193	0.202	0.202	0.208	0.208	0.284	0.284	0.284	0.284
22	Rejoinders	0.664	0.642	0.668	0.616	0.054	0.054	0.053	0.053	0.118	0.017	0.016	0.016	0.016	0.016	0.053	0.047	0.047	0.053	0.053	0.664	0.664	0.664	0.664
23	Rejoinders	0.122	0.101	0.223	0.174	0.058	0.058	0.053	0.053	0.118	0.017	0.016	0.016	0.016	0.016	0.053	0.047	0.047	0.053	0.053	0.122	0.122	0.122	0.122
24	Rejoinders	0.340	0.320	0.424	0.378	0.250	0.228	0.228	0.228	0.443	0.353	0.344	0.344	0.344	0.344	0.230	0.245	0.245	0.340	0.340	0.340	0.340	0.340	0.340
25	Rejoinders	0.340	0.320	0.424	0.378	0.250	0.228	0.228	0.228	0.443	0.353	0.344	0.344	0.344	0.344	0.230	0.245	0.245	0.340	0.340	0.340	0.340	0.340	0.340
26	Rejoinders	0.340	0.320	0.424	0.378	0.250	0.228	0.228	0.228	0.443	0.353	0.344	0.344	0.344	0.344	0.230	0.245	0.245	0.340	0.340	0.340	0.340	0.340	0.340
27	Short Conversations	0.533	0.516	0.526	0.484	0.473	0.423	0.423	0.423	0.446	0.475	0.459	0.459	0.459	0.459	0.455	0.430	0.430	0.533	0.533	0.533	0.533	0.533	0.533
28	Short Conversations	0.284	0.245	0.295	0.250	0.212	0.212	0.209	0.209	0.228	0.209	0.195	0.195	0.195	0.195	0.146	0.158	0.158	0.284	0.284	0.284	0.284	0.284	0.284
29	Short Conversations	0.345	0.327	0.330	0.286	0.311	0.286	0.309	0.309	0.228	0.209	0.195	0.195	0.195	0.195	0.146	0.158	0.158	0.345	0.345	0.345	0.345	0.345	0.345
30	Short Conversations	0.505	0.480	0.541	0.505	0.451	0.421	0.421	0.421	0.449	0.441	0.413	0.413	0.413	0.413	0.304	0.279	0.279	0.505	0.505	0.505	0.505	0.505	0.505
31	Short Conversations	0.442	0.423	0.481	0.437	0.359	0.359	0.360	0.360	0.388	0.388	0.368	0.368	0.368	0.368	0.343	0.362	0.362	0.442	0.442	0.442	0.442	0.442	0.442
32	Short Conversations	0.468	0.451	0.505	0.468	0.416	0.382	0.382	0.382	0.416	0.382	0.368	0.368	0.368	0.368	0.343	0.362	0.362	0.468	0.468	0.468	0.468	0.468	0.468
33	Short Conversations	0.468	0.451	0.505	0.468	0.416	0.382	0.382	0.382	0.416	0.382	0.368	0.368	0.368	0.368	0.343	0.362	0.362	0.468	0.468	0.468	0.468	0.468	0.468
34	Short Conversations	0.407	0.387	0.412	0.366	0.346	0.346	0.355	0.355	0.388	0.388	0.368	0.368	0.368	0.368	0.343	0.362	0.362	0.407	0.407	0.407	0.407	0.407	0.407
35	Short Conversations	0.221	0.207	0.309	0.278	0.143	0.143	0.130	0.130	0.259	0.143	0.154	0.154	0.154	0.154	0.130	0.143	0.143	0.221	0.221	0.221	0.221	0.221	0.221
36	Short Conversations	0.257	0.241	0.347	0.310	0.177	0.177	0.168	0.168	0.289	0.177	0.168	0.168	0.168	0.168	0.166	0.166	0.166	0.257	0.257	0.257	0.257	0.257	0.257
37	Short Conversations	0.323	0.304	0.314	0.268	0.224	0.224	0.227	0.227	0.289	0.177	0.168	0.168	0.168	0.168	0.166	0.166	0.166	0.323	0.323	0.323	0.323	0.323	0.323
38	Short Conversations	0.344	0.324	0.344	0.298	0.254	0.254	0.257	0.257	0.289	0.177	0.168	0.168	0.168	0.168	0.166	0.166	0.166	0.344	0.344	0.344	0.344	0.344	0.344
39	Short Conversations	0.432	0.415	0.510	0.470	0.337	0.337	0.318	0.318	0.439	0.349	0.341	0.341	0.341	0.341	0.311	0.329	0.329	0.432	0.432	0.432	0.432	0.432	0.432
40	Short Conversations	0.285	0.247	0.328	0.286	0.199	0.199	0.183	0.183	0.259	0.143	0.154	0.154	0.154	0.154	0.130	0.143	0.143	0.285	0.285	0.285	0.285	0.285	0.285
41	Discourse	0.388	0.379	0.397	0.351	0.343	0.343	0.352	0.352	0.310	0.310	0.329	0.329	0.329	0.329	0.311	0.311	0.311	0.388	0.388	0.388	0.388	0.388	0.388
42	Discourse	0.408	0.389	0.437	0.391	0.330	0.330	0.344	0.344	0.354	0.354	0.356	0.356	0.356	0.356	0.342	0.342	0.342	0.408	0.408	0.408	0.408	0.408	0.408
43	Discourse	0.230	0.212	0.294	0.251	0.165	0.165	0.154	0.154	0.215	0.153	0.153	0.153	0.153	0.153	0.130	0.143	0.143	0.230	0.230	0.230	0.230	0.230	0.230

Level I, Form B: Item Point Biserial Correlations with Total Test, Part, and Component Scores Item Included and Item Deleted

Item Sequence No.	Component	Total Test		Listening Comprehension		Language Usage and Indirect Composition		Vocabulary and Reading		Rejoinders		Short Conversations		Discourse		Language Usage		Indirect Writing		Vocabulary		Reading	
		Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted
62	Language Usage	0.487	0.470	0.306	0.467	0.452	0.452	0.452	0.452	0.367	0.363	0.353	0.460	0.341	0.341	0.460	0.460	0.414	0.392	0.392	0.456	0.456	
63	Language Usage	0.452	0.433	0.388	0.470	0.417	0.392	0.392	0.392	0.369	0.369	0.342	0.488	0.322	0.322	0.488	0.403	0.379	0.379	0.334	0.382	0.382	
64	Language Usage	0.464	0.466	0.414	0.437	0.514	0.437	0.514	0.437	0.357	0.357	0.374	0.517	0.360	0.360	0.517	0.432	0.471	0.471	0.383	0.421	0.421	
65	Language Usage	0.531	0.515	0.398	0.573	0.528	0.514	0.528	0.514	0.357	0.357	0.363	0.560	0.358	0.358	0.560	0.517	0.471	0.471	0.458	0.463	0.463	
66	Language Usage	0.436	0.417	0.405	0.392	0.345	0.392	0.345	0.392	0.339	0.339	0.369	0.361	0.331	0.331	0.361	0.361	0.380	0.380	0.277	0.341	0.341	
67	Language Usage	0.510	0.500	0.369	0.583	0.540	0.498	0.540	0.498	0.336	0.336	0.331	0.606	0.329	0.329	0.606	0.537	0.471	0.471	0.469	0.469	0.469	
68	Language Usage	0.474	0.474	0.469	0.469	0.469	0.469	0.469	0.469	0.469	0.469	0.469	0.469	0.469	0.469	0.469	0.469	0.469	0.469	0.469	0.469	0.469	0.469
69	Language Usage	0.518	0.502	0.469	0.480	0.438	0.438	0.438	0.438	0.450	0.450	0.448	0.468	0.424	0.424	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.468
70	Language Usage	0.280	0.259	0.274	0.292	0.230	0.230	0.230	0.230	0.266	0.266	0.248	0.297	0.209	0.209	0.297	0.197	0.245	0.245	0.306	0.442	0.442	
71	Language Usage	0.482	0.464	0.314	0.563	0.515	0.485	0.515	0.485	0.275	0.275	0.281	0.579	0.288	0.288	0.579	0.501	0.463	0.463	0.427	0.465	0.465	
72	Indirect Writing	0.353	0.341	0.225	0.366	0.362	0.378	0.362	0.378	0.193	0.193	0.205	0.360	0.220	0.220	0.360	0.360	0.364	0.364	0.407	0.337	0.337	
73	Indirect Writing	0.435	0.418	0.329	0.442	0.413	0.427	0.413	0.427	0.286	0.286	0.304	0.383	0.309	0.309	0.383	0.383	0.400	0.400	0.391	0.416	0.416	
74	Indirect Writing	0.471	0.456	0.371	0.489	0.456	0.456	0.456	0.456	0.286	0.286	0.286	0.456	0.286	0.286	0.456	0.456	0.456	0.456	0.456	0.456	0.456	0.456
75	Indirect Writing	0.364	0.347	0.255	0.404	0.354	0.354	0.354	0.354	0.222	0.222	0.238	0.326	0.238	0.238	0.326	0.326	0.326	0.326	0.326	0.326	0.326	0.326
76	Indirect Writing	0.474	0.456	0.371	0.505	0.456	0.448	0.456	0.448	0.333	0.333	0.330	0.421	0.343	0.343	0.421	0.421	0.445	0.445	0.374	0.459	0.459	
77	Indirect Writing	0.553	0.537	0.474	0.558	0.510	0.502	0.510	0.502	0.427	0.427	0.439	0.484	0.411	0.411	0.484	0.484	0.587	0.587	0.475	0.475	0.475	
78	Indirect Writing	0.463	0.445	0.357	0.501	0.452	0.434	0.452	0.434	0.330	0.330	0.314	0.314	0.314	0.314	0.314	0.314	0.314	0.314	0.379	0.419	0.419	
79	Indirect Writing	0.444	0.425	0.370	0.471	0.418	0.392	0.418	0.392	0.328	0.328	0.349	0.385	0.326	0.326	0.385	0.385	0.529	0.529	0.404	0.391	0.391	
80	Indirect Writing	0.462	0.448	0.369	0.466	0.446	0.446	0.446	0.446	0.309	0.309	0.313	0.380	0.349	0.349	0.380	0.380	0.440	0.440	0.303	0.391	0.391	
81	Indirect Writing	0.462	0.459	0.369	0.466	0.446	0.446	0.446	0.446	0.309	0.309	0.313	0.380	0.349	0.349	0.380	0.380	0.440	0.440	0.303	0.391	0.391	
82	Indirect Writing	0.465	0.447	0.343	0.519	0.471	0.438	0.471	0.438	0.308	0.308	0.311	0.469	0.310	0.310	0.469	0.469	0.526	0.526	0.408	0.421	0.421	
83	Indirect Writing	0.372	0.352	0.321	0.389	0.330	0.319	0.319	0.319	0.292	0.292	0.292	0.317	0.273	0.273	0.317	0.317	0.441	0.441	0.304	0.315	0.315	
84	Indirect Writing	0.400	0.381	0.357	0.416	0.360	0.330	0.330	0.330	0.332	0.332	0.329	0.329	0.329	0.329	0.329	0.329	0.468	0.468	0.341	0.338	0.338	
85	Indirect Writing	0.338	0.317	0.241	0.391	0.332	0.317	0.317	0.317	0.219	0.219	0.215	0.215	0.215	0.215	0.215	0.215	0.432	0.432	0.254	0.254	0.254	
86	Vocabulary	0.364	0.351	0.255	0.367	0.179	0.402	0.209	0.364	0.228	0.228	0.230	0.374	0.236	0.236	0.374	0.374	0.219	0.219	0.524	0.397	0.397	
87	Vocabulary	0.175	0.165	0.110	0.179	0.200	0.209	0.209	0.178	0.100	0.100	0.090	0.175	0.111	0.111	0.175	0.175	0.219	0.219	0.307	0.197	0.197	
88	Vocabulary	0.184	0.187	0.108	0.200	0.319	0.248	0.248	0.226	0.092	0.092	0.098	0.199	0.108	0.108	0.199	0.199	0.242	0.242	0.353	0.278	0.278	
89	Vocabulary	0.319	0.308	0.208	0.319	0.319	0.276	0.276	0.344	0.185	0.185	0.184	0.321	0.167	0.167	0.321	0.321	0.338	0.338	0.504	0.399	0.399	
90	Vocabulary	0.353	0.340	0.237	0.345	0.417	0.378	0.378	0.344	0.202	0.202	0.213	0.349	0.235	0.235	0.349	0.349	0.389	0.389	0.529	0.392	0.392	
91	Vocabulary	0.468	0.450	0.369	0.468	0.468	0.468	0.468	0.468	0.401	0.401	0.397	0.468	0.369	0.369	0.468	0.468	0.582	0.582	0.543	0.464	0.464	
92	Vocabulary	0.582	0.566	0.444	0.577	0.507	0.603	0.603	0.569	0.408	0.408	0.397	0.578	0.407	0.407	0.578	0.578	0.382	0.382	0.687	0.543	0.543	
93	Vocabulary	0.448	0.431	0.344	0.429	0.448	0.482	0.482	0.430	0.310	0.310	0.312	0.418	0.307	0.307	0.418	0.418	0.368	0.368	0.582	0.398	0.398	
94	Vocabulary	0.533	0.519	0.390	0.530	0.500	0.477	0.477	0.537	0.346	0.346	0.347	0.531	0.365	0.365	0.531	0.531	0.410	0.410	0.696	0.563	0.563	
95	Vocabulary	0.612	0.597	0.512	0.582	0.608	0.608	0.608	0.608	0.467	0.467	0.465	0.608	0.445	0.445	0.608	0.608	0.583	0.583	0.649	0.464	0.464	
96	Reading	0.359	0.345	0.239	0.357	0.345	0.418	0.418	0.377	0.224	0.224	0.203	0.357	0.216	0.216	0.357	0.357	0.253	0.253	0.354	0.408	0.408	
97	Reading	0.335	0.320	0.220	0.347	0.347	0.425	0.425	0.387	0.195	0.195	0.197	0.336	0.197	0.197	0.336	0.336	0.269	0.269	0.376	0.408	0.408	
98	Reading	0.454	0.438	0.354	0.454	0.454	0.454	0.454	0.454	0.387	0.387	0.387	0.454	0.272	0.272	0.454	0.454	0.449	0.449	0.449	0.449	0.449	
99	Reading	0.396	0.377	0.289	0.377	0.377	0.392	0.392	0.382	0.255	0.255	0.260	0.392	0.272	0.272	0.392	0.392	0.272	0.272	0.339	0.449	0.449	
100	Reading	0.378	0.366	0.281	0.378	0.378	0.447	0.447	0.396	0.234	0.234	0.227	0.396	0.250	0.250	0.396	0.396	0.185	0.185	0.443	0.415	0.415	
101	Reading	0.481	0.466	0.337	0.479	0.479	0.540	0.540	0.495	0.300	0.300	0.298	0.468	0.316	0.316	0.468	0.468	0.216	0.216	0.443	0.531	0.531	
102	Reading	0.239	0.225	0.150	0.239	0.239	0.292	0.292	0.246	0.125	0.125	0.134	0.231	0.157	0.157	0.231	0.231	0.222	0.222	0.210	0.239	0.239	
103	Reading	0.558	0.543	0.422	0.539	0.539	0.605	0.605	0.561	0.374	0.374	0.391	0.498	0.391	0.391	0.498	0.498	0.365	0.365	0.210	0.605	0.605	
104	Reading	0.477	0.461	0.371	0.477	0.477	0.477	0.477	0.477	0.408	0.408	0.408	0.477	0.371	0.371	0.477	0.477	0.449	0.449	0.367	0.548	0.548	
105	Reading	0.547	0.531	0.484	0.478	0.478	0.566	0.566	0.503	0.433	0.433	0.449	0.566	0.424	0.424	0.566	0.566	0.464	0.464	0.367	0.578	0.578	
106	Reading	0.585	0.570	0.524	0.516	0.516	0.581	0.581	0.550	0.469	0.469	0.485	0.550	0.463	0.463	0.550	0.550	0.509	0.509	0.396	0.603	0.603	
107	Reading	0.407	0.391	0.296	0.390	0.390	0.460	0.460	0.412	0.256	0.256	0.271	0.378	0.282	0.282	0.378	0.378	0.282	0.282	0.356	0.460	0.460	
108	Reading	0.450	0.434	0.304	0.436	0.436	0.533	0.533	0.487	0.255	0.255	0.262	0.419	0.301	0.301	0.419	0.419	0.384	0.384	0.425	0.469	0.469	
109	Reading	0.440	0.425	0.442	0.373	0.440	0.425	0.425	0.340	0.388	0.388	0.429	0.346	0.278	0.278	0.346	0.346	0.405	0.405	0.237	0.415	0.415	
110	Reading	0.439	0.423	0.323	0.439	0.439	0.439	0.439	0.439	0.378	0.378	0.378	0.439	0.323	0.323	0.439	0.439	0.333	0.333	0.299	0.358	0.358	
111	Reading	0.565	0.549	0.422	0.565	0.565	0.631	0.631	0.576	0.377	0.377	0.397	0.565	0.410	0.410	0.565	0.565	0.410	0.410	0.397	0.631	0.631	
112	Reading	0.607	0.593	0.517	0.607	0.607	0.622	0.622	0.586	0.467	0.467	0.467	0.607	0.448	0.448	0.607	0.607	0.402	0.402	0.414	0.646	0.646	
113	Reading	0.440	0.426	0.337	0.440	0.440	0.462	0.462	0.436	0.295	0.295	0.311	0.374	0.248	0.248	0.374	0.374	0.311	0.311	0.310</			

Level I, Form B: Part and Component Reliabilities with Item Deleted

Item Sequence No.	Component	Listening Comprehension		Item Sequence No.	Component	Language Usage and Indirect Composition		Item Sequence No.	Component	Vocabulary and Reading	
		Part Reliability with Item Deleted	Component Reliability with Item Deleted			Part Reliability with Item Deleted	Component Reliability with Item Deleted			Part Reliability with Item Deleted	Component Reliability with Item Deleted
1	Rejoinders	0.883	0.758	51	Language Usage	0.897	0.848	86	Vocabulary	0.899	0.731
2	Rejoinders	0.886	0.769	52	Language Usage	0.895	0.844	87	Vocabulary	0.901	0.752
3	Rejoinders	0.883	0.761	53	Language Usage	0.893	0.838	88	Vocabulary	0.900	0.747
4	Rejoinders	0.890	0.785	54	Language Usage	0.893	0.839	89	Vocabulary	0.899	0.733
5	Rejoinders	0.883	0.760	55	Language Usage	0.893	0.840	90	Vocabulary	0.899	0.731
6	Rejoinders	0.882	0.755	56	Language Usage	0.893	0.840	91	Vocabulary	0.897	0.715
7	Rejoinders	0.882	0.754	57	Language Usage	0.893	0.840	92	Vocabulary	0.896	0.706
8	Rejoinders	0.881	0.752	58	Language Usage	0.892	0.837	93	Vocabulary	0.898	0.734
9	Rejoinders	0.884	0.761	59	Language Usage	0.895	0.843	94	Vocabulary	0.896	0.703
10	Rejoinders	0.884	0.762	60	Language Usage	0.893	0.840	95	Vocabulary	0.895	0.724
11	Rejoinders	0.881	0.751	61	Language Usage	0.895	0.843	96	Reading	0.899	0.870
12	Rejoinders	0.883	0.759	62	Language Usage	0.893	0.839	97	Reading	0.898	0.870
13	Rejoinders	0.882	0.756	63	Language Usage	0.894	0.842	98	Reading	0.898	0.870
14	Rejoinders	0.886	0.772	64	Language Usage	0.894	0.841	99	Reading	0.898	0.870
15	Rejoinders	0.882	0.755	65	Language Usage	0.892	0.837	100	Reading	0.898	0.870
16	Rejoinders	0.882	0.755	66	Language Usage	0.894	0.844	101	Reading	0.897	0.867
17	Rejoinders	0.885	0.764	67	Language Usage	0.892	0.836	102	Reading	0.900	0.872
18	Rejoinders	0.885	0.764	68	Language Usage	0.894	0.841	103	Reading	0.895	0.865
19	Rejoinders	0.887	0.773	69	Language Usage	0.894	0.842	104	Reading	0.898	0.868
20	Rejoinders	0.883	0.757	70	Language Usage	0.897	0.851	105	Reading	0.897	0.866
21	Rejoinders	0.884	0.761	71	Language Usage	0.892	0.838	106	Reading	0.896	0.865
22	Rejoinders	0.888	0.778	72	Indirect Writing	0.895	0.763	107	Reading	0.898	0.869
23	Rejoinders	0.886	0.768	73	Indirect Writing	0.894	0.755	108	Reading	0.897	0.867
24	Rejoinders	0.883	0.759	74	Indirect Writing	0.893	0.754	109	Reading	0.899	0.870
25	Rejoinders	0.881	0.751	75	Indirect Writing	0.895	0.760	110	Reading	0.899	0.871
26	Short Conversations	0.881	0.708	76	Indirect Writing	0.893	0.751	111	Reading	0.895	0.863
27	Short Conversations	0.885	0.729	77	Indirect Writing	0.892	0.747	112	Reading	0.895	0.863
28	Short Conversations	0.884	0.726	78	Indirect Writing	0.893	0.753	113	Reading	0.898	0.868
29	Short Conversations	0.881	0.704	79	Indirect Writing	0.894	0.755	114	Reading	0.898	0.869
30	Short Conversations	0.882	0.710	80	Indirect Writing	0.894	0.751	115	Reading	0.897	0.868
31	Short Conversations	0.887	0.745	81	Indirect Writing	0.894	0.758	116	Reading	0.897	0.866
32	Short Conversations	0.880	0.698	82	Indirect Writing	0.893	0.754	117	Reading	0.899	0.870
33	Short Conversations	0.882	0.712	83	Indirect Writing	0.896	0.765	118	Reading	0.897	0.867
34	Short Conversations	0.883	0.721	84	Indirect Writing	0.895	0.761	119	Reading	0.898	0.868
35	Short Conversations	0.884	0.727	85	Indirect Writing	0.896	0.766	120	Reading	0.898	0.869
36	Short Conversations	0.884	0.724								
37	Short Conversations	0.885	0.730								
38	Short Conversations	0.882	0.712								
39	Short Conversations	0.882	0.710								
40	Short Conversations	0.884	0.726								
41	Discourse	0.883	0.642								
42	Discourse	0.883	0.635								
43	Discourse	0.885	0.659								
44	Discourse	0.883	0.630								
45	Discourse	0.885	0.661								
46	Discourse	0.883	0.627								
47	Discourse	0.884	0.649								
48	Discourse	0.884	0.653								
49	Discourse	0.880	0.604								
50	Discourse	0.881	0.621								

a. The alpha reliabilities of part and component scores with the item included are as follows:

Listening Comprehension:	0.886	Rejoinders:	0.769	Language Usage:	0.848	Vocabulary:	0.749
Lang. Usage and Indirect Writing:	0.897	Short Conversations:	0.733	Indirect Composition:	0.770	Reading:	0.873
Vocabulary and Reading:	0.900	Discourse:	0.663				

Table A 5

Level I, Form B: "True" Point Biserial Correlations of Items with Total Test, Part, and Component Scores

Item Sequence No.	Component	Total Test	Listening Comprehension	Language Usage and Indirect Writing	Vocabulary and Reading	Listening Comprehension			Language Usage and Indirect Writing		Vocabulary and Reading	
						Rejoinders	Short Conversations	Discourse	Language Usage	Indirect Writing	Vocabulary	Reading
Listening Comprehension:												
1	Rejoinders	0.390	0.413	0.365	0.325	0.409	0.424	0.389	0.365	0.357	0.275	0.331
2	Rejoinders	0.226	0.190	0.226	0.235	0.175	0.186	0.217	0.234	0.208	0.253	0.221
	Rejoinders	0.436	0.377	0.436	0.439	0.362	0.369	0.401	0.447	0.409	0.459	0.418
	Rejoinders	-0.161	-0.128	-0.172	-0.167	-0.114	-0.141	-0.136	-0.170	-0.171	-0.142	-0.170
	Rejoinders	0.318	0.379	0.267	0.247	0.389	0.373	0.350	0.251	0.285	0.170	0.263
	Rejoinders	0.468	0.472	0.431	0.428	0.475	0.454	0.462	0.430	0.421	0.421	0.416
	Rejoinders	0.528	0.500	0.509	0.498	0.508	0.476	0.495	0.511	0.492	0.462	0.493
	Rejoinders	0.517	0.517	0.481	0.471	0.527	0.500	0.501	0.482	0.468	0.425	0.470
	Rejoinders	0.281	0.353	0.217	0.215	0.360	0.342	0.341	0.208	0.225	0.187	0.216
	Rejoinders	0.254	0.326	0.199	0.181	0.337	0.322	0.294	0.181	0.222	0.119	0.195
	Rejoinders	0.527	0.556	0.475	0.461	0.555	0.553	0.538	0.468	0.473	0.399	0.465
	Rejoinders	0.380	0.401	0.348	0.326	0.406	0.398	0.379	0.337	0.357	0.281	0.329
	Rejoinders	0.371	0.444	0.311	0.284	0.459	0.432	0.413	0.297	0.325	0.222	0.295
	Rejoinders	0.192	0.154	0.190	0.210	0.133	0.163	0.179	0.193	0.180	0.242	0.192
	Rejoinders	0.472	0.469	0.443	0.430	0.475	0.461	0.448	0.451	0.419	0.423	0.418
	Rejoinders	0.402	0.464	0.342	0.325	0.468	0.466	0.433	0.333	0.347	0.282	0.328
	Rejoinders	0.234	0.288	0.198	0.167	0.299	0.285	0.255	0.187	0.210	0.131	0.173
	Rejoinders	0.230	0.296	0.180	0.163	0.308	0.287	0.272	0.165	0.197	0.116	0.172
	Rejoinders	0.080	0.107	0.068	0.045	0.110	0.105	0.097	0.061	0.078	0.022	0.051
	Rejoinders	0.357	0.422	0.307	0.273	0.441	0.399	0.398	0.298	0.314	0.240	0.275
	Rejoinders	0.270	0.335	0.220	0.198	0.357	0.326	0.289	0.209	0.230	0.138	0.211
	Rejoinders	0.043	0.017	0.057	0.055	0.019	0.018	0.008	0.058	0.053	0.053	0.054
	Rejoinders	0.103	0.185	0.061	0.026	0.203	0.180	0.146	0.048	0.080	-0.017	0.040
	Rejoinders	0.327	0.402	0.264	0.248	0.405	0.402	0.379	0.250	0.280	0.178	0.262
	Rejoinders	0.515	0.538	0.459	0.462	0.548	0.525	0.512	0.456	0.453	0.417	0.461
	Short Conversations	0.528	0.516	0.500	0.487	0.501	0.512	0.528	0.495	0.495	0.460	0.479
	Short Conversations	0.251	0.266	0.224	0.220	0.260	0.273	0.260	0.212	0.237	0.169	0.229
	Short Conversations	0.335	0.304	0.328	0.326	0.289	0.309	0.318	0.330	0.317	0.318	0.317
	Short Conversations	0.501	0.538	0.444	0.434	0.512	0.564	0.544	0.425	0.462	0.347	0.448
	Short Conversations	0.433	0.465	0.379	0.379	0.443	0.486	0.470	0.372	0.380	0.340	0.379
	Short Conversations	0.047	0.076	0.031	0.017	0.076	0.078	0.072	0.023	0.043	-0.013	0.027
	Short Conversations	0.565	0.612	0.492	0.496	0.600	0.611	0.611	0.481	0.495	0.438	0.498
	Short Conversations	0.447	0.464	0.400	0.403	0.443	0.473	0.478	0.389	0.408	0.325	0.415
	Short Conversations	0.396	0.389	0.365	0.374	0.377	0.375	0.416	0.360	0.364	0.339	0.372
	Short Conversations	0.212	0.296	0.151	0.137	0.295	0.301	0.278	0.141	0.162	0.092	0.147
	Short Conversations	0.246	0.329	0.187	0.166	0.329	0.339	0.303	0.180	0.193	0.093	0.185
	Short Conversations	0.311	0.285	0.303	0.302	0.275	0.274	0.310	0.296	0.305	0.320	0.286
	Short Conversations	0.428	0.485	0.375	0.344	0.481	0.490	0.467	0.358	0.392	0.283	0.352
	Short Conversations	0.424	0.500	0.356	0.335	0.501	0.499	0.480	0.338	0.375	0.261	0.347
	Short Conversations	0.252	0.304	0.210	0.192	0.294	0.315	0.298	0.198	0.223	0.143	0.202
	Discourse	0.388	0.373	0.362	0.371	0.353	0.384	0.388	0.361	0.354	0.390	0.352
	Discourse	0.397	0.416	0.348	0.363	0.403	0.415	0.430	0.341	0.350	0.304	0.370
	Discourse	0.216	0.267	0.175	0.162	0.245	0.299	0.257	0.166	0.183	0.123	0.169
	Discourse	0.483	0.441	0.467	0.474	0.409	0.464	0.466	0.471	0.450	0.461	0.461
	Discourse	0.241	0.255	0.220	0.207	0.253	0.251	0.255	0.217	0.219	0.177	0.210
	Discourse	0.491	0.437	0.470	0.501	0.409	0.443	0.481	0.457	0.478	0.471	0.494
	Discourse	0.303	0.334	0.266	0.255	0.324	0.334	0.341	0.259	0.269	0.218	0.259
	Discourse	0.240	0.290	0.194	0.186	0.276	0.296	0.303	0.183	0.207	0.120	0.201
	Discourse	0.595	0.677	0.508	0.493	0.663	0.688	0.657	0.484	0.533	0.371	0.516
	Discourse	0.476	0.511	0.420	0.415	0.498	0.510	0.518	0.410	0.425	0.340	0.426
	Language Usage	0.181	0.133	0.200	0.196	0.133	0.115	0.150	0.207	0.183	0.221	0.181
	Language Usage	0.342	0.268	0.370	0.351	0.263	0.259	0.282	0.379	0.349	0.383	0.329
	Language Usage	0.520	0.446	0.520	0.529	0.431	0.448	0.458	0.532	0.491	0.548	0.504
	Language Usage	0.491	0.395	0.514	0.513	0.376	0.388	0.429	0.532	0.476	0.576	0.475
	Language Usage	0.426	0.294	0.482	0.470	0.263	0.294	0.347	0.500	0.447	0.496	0.446
	Language Usage	0.452	0.366	0.482	0.459	0.354	0.359	0.386	0.498	0.449	0.479	0.437
	Language Usage	0.470	0.376	0.494	0.490	0.361	0.364	0.410	0.515	0.453	0.548	0.454
	Language Usage	0.513	0.411	0.551	0.522	0.405	0.391	0.437	0.570	0.511	0.555	0.494
	Language Usage	0.340	0.261	0.378	0.349	0.265	0.253	0.251	0.390	0.351	0.347	0.337
	Language Usage	0.486	0.439	0.480	0.474	0.424	0.438	0.452	0.481	0.467	0.464	0.461
	Language Usage	0.348	0.230	0.393	0.398	0.212	0.234	0.254	0.399	0.374	0.396	0.385
	Language Usage	0.481	0.421	0.494	0.467	0.419	0.413	0.419	0.502	0.472	0.453	0.456
	Language Usage	0.443	0.413	0.441	0.413	0.421	0.399	0.396	0.440	0.432	0.382	0.409
	Language Usage	0.476	0.440	0.462	0.460	0.432	0.437	0.442	0.471	0.438	0.442	0.450
	Language Usage	0.526	0.423	0.559	0.542	0.407	0.424	0.440	0.565	0.536	0.529	0.527
	Language Usage	0.426	0.430	0.414	0.364	0.432	0.431	0.407	0.393	0.433	0.320	0.366
	Language Usage	0.511	0.392	0.572	0.522	0.383	0.386	0.404	0.587	0.537	0.530	0.502
	Language Usage	0.452	0.377	0.469	0.457	0.362	0.374	0.397	0.467	0.461	0.413	0.456
	Language Usage	0.513	0.530	0.464	0.456	0.514	0.547	0.521	0.432	0.495	0.357	0.473
	Language Usage	0.264	0.291	0.243	0.209	0.303	0.287	0.257	0.214	0.279	0.130	0.228
	Language Usage	0.475	0.333	0.545	0.511	0.313	0.340	0.354	0.547	0.528	0.494	0.499
	Indirect Writing	0.349	0.239	0.382	0.398	0.221	0.239	0.271	0.391	0.358	0.470	0.361
	Indirect Writing	0.428	0.350	0.437	0.450	0.326	0.355	0.380	0.416	0.460	0.417	0.445
	Indirect Writing	0.461	0.349	0.497	0.494	0.328	0.341	0.389	0.498	0.481	0.537	0.463
	Indirect Writing	0.354	0.273	0.375	0.381	0.256	0.278	0.292	0.355	0.397	0.357	0.376
	Indirect Writing	0.468	0.394	0.483	0.472	0.380	0.385	0.421	0.458	0.514	0.428	0.470
	Indirect Writing	0.550	0.504	0.540	0.529	0.487	0.513	0.505	0.526	0.550	0.463	0.532
	Indirect Writing	0.456	0.379	0.478	0.458	0.377	0.366	0.386	0.467	0.484	0.438	0.449
	Indirect Writing	0.435	0.394	0.440	0.413	0.374	0.407	0.401	0.419	0.465	0.351	0.419
	Indirect Writing	0.474	0.433	0.468	0.456	0.420	0.443	0.429	0.438	0.508	0.362	0.472
	Indirect Writing	0.448	0.466	0.418	0.381	0.459	0.473	0.450	0.406	0.428	0.303	0.394
	Indirect Writing	0.457	0.365	0.498	0.462	0.351	0.363	0.381	0.506	0.470	0.449	0.450
	Indirect Writing	0.360	0.341	0.349	0.336	0.333	0.346	0.336	0.344	0.348	0.299	0.337
	Indirect Writing	0.389	0.379	0.381	0.347	0.378	0.385	0.358	0.371	0.388	0.267	0.362
	Indirect Writing	0.325	0.256	0.351	0.334	0.250	0.252	0.265	0.353	0.336	0.272	0.342

Level I, Form B: "True" Point Biserial Correlations of Items with Total Test, Part, and Component Scores

Item Sequence No.	Component	Total Test	Listening Comprehension	Language Usage and Indirect Writing	Vocabulary and Reading	Listening Comprehension			Language Usage and Indirect Writing		Vocabulary and Reading	
						Rejoinders	Short Conversations	Discourse	Language Usage	Indirect Writing	Vocabulary	Reading
Vocabulary		0.359	0.271	0.388	0.384	0.259	0.269	0.290	0.407	0.350	0.464	0.349
Vocabulary		0.169	0.117	0.189	0.187	0.114	0.105	0.136	0.190	0.183	0.227	0.168
Vocabulary		0.191	0.114	0.212	0.238	0.105	0.114	0.130	0.216	0.199	0.321	0.204
Vocabulary		0.315	0.221	0.337	0.363	0.211	0.215	0.242	0.348	0.313	0.466	0.321
Vocabulary		0.347	0.251	0.364	0.399	0.231	0.249	0.289	0.379	0.332	0.458	0.369
Vocabulary		0.445	0.330	0.472	0.496	0.309	0.326	0.368	0.486	0.439	0.595	0.453
Vocabulary		0.582	0.477	0.609	0.594	0.465	0.463	0.500	0.628	0.567	0.645	0.561
Vocabulary		0.441	0.365	0.453	0.454	0.353	0.365	0.377	0.454	0.440	0.465	0.436
Vocabulary		0.531	0.414	0.560	0.567	0.396	0.406	0.448	0.576	0.522	0.671	0.523
Vocabulary		0.611	0.544	0.615	0.593	0.533	0.543	0.546	0.619	0.593	0.545	0.583
Reading		0.353	0.254	0.377	0.398	0.255	0.237	0.265	0.387	0.352	0.409	0.380
Reading		0.344	0.233	0.366	0.409	0.222	0.218	0.269	0.365	0.358	0.434	0.385
Reading		0.345	0.233	0.366	0.414	0.216	0.228	0.269	0.364	0.360	0.446	0.387
Reading		0.386	0.307	0.399	0.413	0.291	0.304	0.334	0.393	0.397	0.392	0.405
Reading		0.374	0.278	0.394	0.418	0.267	0.265	0.307	0.397	0.379	0.451	0.392
Reading		0.476	0.358	0.506	0.522	0.342	0.348	0.388	0.508	0.491	0.512	0.506
Reading		0.230	0.159	0.252	0.260	0.142	0.157	0.193	0.250	0.248	0.243	0.256
Reading		0.556	0.448	0.569	0.592	0.427	0.445	0.480	0.564	0.564	0.538	0.589
Reading		0.468	0.422	0.456	0.462	0.406	0.434	0.423	0.445	0.462	0.381	0.473
Reading		0.543	0.514	0.505	0.531	0.494	0.524	0.521	0.493	0.511	0.424	0.550
Reading		0.583	0.557	0.544	0.560	0.535	0.566	0.568	0.535	0.546	0.446	0.581
Reading		0.400	0.314	0.412	0.435	0.292	0.316	0.346	0.410	0.405	0.411	0.427
Reading		0.444	0.323	0.461	0.514	0.291	0.329	0.370	0.455	0.458	0.491	0.503
Reading		0.434	0.469	0.394	0.358	0.442	0.501	0.464	0.376	0.410	0.274	0.374
Reading		0.306	0.216	0.322	0.356	0.203	0.209	0.243	0.310	0.333	0.345	0.347
Reading		0.562	0.454	0.558	0.620	0.423	0.452	0.504	0.552	0.553	0.550	0.622
Reading		0.606	0.549	0.581	0.608	0.532	0.558	0.551	0.569	0.585	0.479	0.633
Reading		0.431	0.358	0.430	0.460	0.336	0.364	0.380	0.406	0.454	0.358	0.480
Reading		0.446	0.419	0.423	0.431	0.401	0.425	0.433	0.404	0.442	0.339	0.448
Reading		0.453	0.385	0.448	0.475	0.362	0.386	0.416	0.433	0.460	0.418	0.477
Reading		0.554	0.536	0.523	0.518	0.523	0.548	0.522	0.503	0.539	0.389	0.545
Reading		0.334	0.259	0.339	0.372	0.237	0.258	0.294	0.329	0.346	0.334	0.372
Reading		0.422	0.330	0.419	0.479	0.306	0.330	0.368	0.418	0.411	0.414	0.485
Reading		0.427	0.366	0.421	0.443	0.350	0.368	0.384	0.418	0.415	0.331	0.467
Reading		0.452	0.444	0.424	0.415	0.423	0.458	0.453	0.409	0.436	0.305	0.438

Table A 6

Level II, Form A: Item Point Biserial Correlations with Total Test, Part, and Component Scores Item Included and Item Deleted

Item Sequence No.	Component	Total Test		Listening Comprehension		Language Usage and Indirect Composition		Idiomatic Expressions and Reading		Rejoinders		Short Conversations		Discourse		Language Usage		Indirect Composition		Idiomatic Expressions		Reading	
		Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted
1	Rejoinders	0.299	0.286	0.306	0.276	0.264	0.264	0.261	0.261	0.314	0.255	0.267	0.221	0.247	0.257	0.247	0.247	0.257	0.257	0.221	0.221	0.257	0.253
2	Rejoinders	0.319	0.300	0.373	0.329	0.256	0.256	0.240	0.240	0.421	0.335	0.285	0.250	0.255	0.237	0.255	0.247	0.237	0.237	0.250	0.186	0.237	0.253
3	Rejoinders	0.419	0.405	0.451	0.420	0.364	0.364	0.341	0.341	0.491	0.432	0.335	0.290	0.342	0.290	0.342	0.342	0.290	0.290	0.335	0.186	0.342	0.335
4	Rejoinders	0.516	0.505	0.537	0.511	0.462	0.462	0.433	0.433	0.555	0.504	0.466	0.380	0.446	0.435	0.446	0.446	0.435	0.435	0.380	0.276	0.446	0.421
5	Rejoinders	0.578	0.563	0.616	0.582	0.521	0.521	0.481	0.481	0.635	0.568	0.538	0.356	0.520	0.398	0.520	0.520	0.398	0.398	0.568	0.367	0.520	0.455
6	Rejoinders	0.471	0.461	0.494	0.469	0.433	0.433	0.379	0.379	0.501	0.451	0.440	0.356	0.425	0.356	0.425	0.425	0.356	0.356	0.451	0.325	0.425	0.368
7	Rejoinders	0.59	0.580	0.610	0.585	0.495	0.495	0.445	0.445	0.616	0.561	0.511	0.104	0.477	0.403	0.477	0.477	0.403	0.403	0.561	0.118	0.477	0.442
8	Rejoinders	0.450	0.435	0.477	0.451	0.415	0.415	0.379	0.379	0.481	0.445	0.410	0.104	0.415	0.356	0.415	0.415	0.356	0.356	0.445	0.118	0.415	0.368
9	Rejoinders	0.579	0.566	0.601	0.572	0.526	0.526	0.477	0.477	0.661	0.621	0.521	0.437	0.526	0.493	0.526	0.526	0.493	0.493	0.621	0.364	0.526	0.471
10	Rejoinders	0.360	0.369	0.375	0.375	0.314	0.314	0.340	0.340	0.422	0.372	0.336	0.285	0.336	0.285	0.336	0.336	0.285	0.285	0.372	0.274	0.336	0.333
11	Rejoinders	0.544	0.531	0.590	0.561	0.476	0.476	0.434	0.434	0.607	0.549	0.512	0.425	0.463	0.445	0.463	0.463	0.445	0.445	0.549	0.367	0.463	0.422
12	Rejoinders	0.485	0.475	0.519	0.496	0.475	0.475	0.418	0.418	0.533	0.488	0.454	0.370	0.392	0.381	0.392	0.392	0.381	0.381	0.488	0.352	0.392	0.407
13	Rejoinders	0.539	0.525	0.592	0.561	0.467	0.467	0.427	0.427	0.619	0.559	0.514	0.403	0.465	0.424	0.465	0.465	0.424	0.424	0.559	0.344	0.465	0.419
14	Rejoinders	0.399	0.385	0.422	0.389	0.332	0.332	0.334	0.334	0.440	0.376	0.358	0.304	0.334	0.286	0.334	0.334	0.286	0.286	0.376	0.216	0.334	0.323
15	Rejoinders	0.376	0.357	0.422	0.377	0.317	0.317	0.295	0.295	0.457	0.371	0.340	0.293	0.317	0.286	0.317	0.317	0.286	0.286	0.371	0.176	0.317	0.283
16	Rejoinders	0.450	0.439	0.477	0.451	0.415	0.415	0.379	0.379	0.506	0.465	0.437	0.378	0.415	0.356	0.415	0.415	0.356	0.356	0.465	0.275	0.415	0.369
17	Rejoinders	0.508	0.490	0.539	0.512	0.445	0.445	0.405	0.405	0.585	0.483	0.455	0.378	0.445	0.398	0.445	0.445	0.398	0.398	0.483	0.275	0.445	0.369
18	Rejoinders	0.399	0.371	0.407	0.365	0.342	0.342	0.330	0.330	0.445	0.365	0.336	0.275	0.342	0.328	0.342	0.342	0.328	0.328	0.365	0.240	0.342	0.328
19	Rejoinders	0.375	0.358	0.418	0.378	0.342	0.342	0.330	0.330	0.445	0.365	0.336	0.275	0.342	0.328	0.342	0.342	0.328	0.328	0.365	0.240	0.342	0.328
20	Rejoinders	0.451	0.435	0.497	0.461	0.387	0.387	0.359	0.359	0.506	0.433	0.332	0.288	0.387	0.332	0.387	0.387	0.332	0.332	0.433	0.283	0.387	0.353
21	Rejoinders	0.383	0.363	0.412	0.367	0.322	0.322	0.323	0.323	0.451	0.362	0.328	0.288	0.322	0.296	0.322	0.322	0.296	0.296	0.362	0.229	0.322	0.323
22	Rejoinders	0.309	0.290	0.330	0.285	0.275	0.275	0.249	0.249	0.355	0.266	0.265	0.236	0.275	0.256	0.275	0.275	0.256	0.256	0.355	0.175	0.275	0.249
23	Rejoinders	0.370	0.352	0.407	0.365	0.314	0.314	0.298	0.298	0.444	0.363	0.324	0.283	0.314	0.284	0.314	0.314	0.284	0.284	0.363	0.216	0.314	0.297
24	Rejoinders	0.515	0.499	0.562	0.526	0.445	0.445	0.414	0.414	0.582	0.481	0.454	0.409	0.445	0.382	0.445	0.445	0.382	0.382	0.481	0.315	0.445	0.410
25	Rejoinders	0.489	0.469	0.512	0.476	0.415	0.415	0.379	0.379	0.533	0.433	0.398	0.328	0.415	0.362	0.415	0.415	0.362	0.362	0.433	0.275	0.415	0.369
26	Rejoinders	0.338	0.320	0.348	0.313	0.281	0.281	0.281	0.281	0.366	0.281	0.258	0.173	0.281	0.236	0.281	0.281	0.236	0.236	0.366	0.121	0.281	0.258
27	Short Conversations	0.409	0.397	0.420	0.393	0.371	0.371	0.345	0.345	0.351	0.275	0.258	0.208	0.371	0.331	0.371	0.371	0.331	0.331	0.351	0.284	0.371	0.337
28	Short Conversations	0.555	0.541	0.599	0.563	0.495	0.495	0.439	0.439	0.647	0.523	0.479	0.398	0.495	0.479	0.495	0.495	0.479	0.479	0.523	0.361	0.495	0.429
29	Short Conversations	0.319	0.302	0.338	0.299	0.273	0.273	0.270	0.270	0.261	0.140	0.306	0.250	0.273	0.245	0.273	0.273	0.245	0.245	0.306	0.198	0.273	0.249
30	Short Conversations	0.469	0.459	0.525	0.496	0.461	0.461	0.435	0.435	0.485	0.353	0.265	0.208	0.461	0.410	0.461	0.461	0.410	0.410	0.485	0.342	0.461	0.428
31	Short Conversations	0.584	0.570	0.627	0.596	0.503	0.503	0.484	0.484	0.651	0.511	0.466	0.409	0.503	0.477	0.503	0.503	0.477	0.477	0.651	0.381	0.503	0.425
32	Short Conversations	0.478	0.461	0.488	0.449	0.426	0.426	0.415	0.415	0.403	0.307	0.265	0.236	0.426	0.382	0.426	0.426	0.382	0.382	0.403	0.316	0.426	0.410
33	Short Conversations	0.470	0.453	0.483	0.448	0.417	0.417	0.405	0.405	0.422	0.329	0.287	0.258	0.417	0.372	0.417	0.417	0.372	0.372	0.422	0.316	0.417	0.410
34	Short Conversations	0.420	0.405	0.433	0.403	0.378	0.378	0.365	0.365	0.382	0.287	0.258	0.229	0.378	0.331	0.378	0.378	0.331	0.331	0.382	0.315	0.378	0.369
35	Short Conversations	0.470	0.455	0.483	0.448	0.417	0.417	0.405	0.405	0.422	0.329	0.287	0.258	0.417	0.372	0.417	0.417	0.372	0.372	0.422	0.315	0.417	0.410
36	Short Conversations	0.555	0.543	0.543	0.514	0.519	0.519	0.488	0.488	0.422	0.329	0.287	0.258	0.519	0.452	0.519	0.519	0.452	0.452	0.422	0.403	0.519	0.477
37	Short Conversations	0.420	0.405	0.443	0.408	0.366	0.366	0.353	0.353	0.378	0.278	0.258	0.229	0.366	0.321	0.366	0.366	0.321	0.321	0.378	0.289	0.366	0.350
38	Short Conversations	0.544	0.532	0.564	0.527	0.495	0.495	0.463	0.463	0.469	0.353	0.265	0.208	0.495	0.449	0.495	0.495	0.449	0.449	0.564	0.362	0.495	0.457
39	Short Conversations	0.635	0.622	0.663	0.633	0.583	0.583	0.513	0.513	0.593	0.469	0.382	0.331	0.583	0.508	0.583	0.583	0.508	0.508	0.635	0.389	0.583	0.508
40	Short Conversations	0.684	0.674	0.691	0.668	0.626	0.626	0.586	0.586	0.612	0.444	0.353	0.287	0.626	0.539	0.626	0.626	0.539	0.539	0.684	0.475	0.626	0.574
41	Discourse	0.479	0.466	0.507	0.478	0.420	0.420	0.397	0.397	0.444	0.353	0.287	0.258	0.478	0.409	0.478	0.478	0.409	0.409	0.507	0.316	0.478	0.476
42	Discourse	0.522	0.517	0.541	0.515	0.465	0.465	0.429	0.429	0.403	0.307	0.265	0.236	0.515	0.444	0.515	0.515	0.444	0.444	0.522	0.332	0.515	0.423
43	Discourse	0.517	0.505	0.539	0.512	0.465	0.465	0.429	0.429	0.403	0.307	0.265	0.236	0.512	0.444	0.512	0.512	0.444	0.444	0.539	0.332	0.512	0.423
44	Discourse	0.185	0.163	0.185	0.133	0.175	0.175	0.157	0.157	0.117	0.117	0.152	0.117	0.175	0.152	0.175	0.175	0.152	0.152	0.185	0.157	0.175	0.157
45	Discourse	0.231	0.210	0.245	0.194	0.208	0.208	0.188	0.188	0.181	0.114	0.180	0.152	0.208	0.165	0.208	0.208	0.165	0.165	0.231			

Level II, Form A: Item Point Biserial Correlations with Total Test, Part, and Component Scores Item Included and Item Deleted

Item Sequence No.	Component	Total Test		Listening Comprehension		Language Usage and Indirect Composition		Idiomatic Expressions and Reading		Rejoinders		Short Conversations		Discourse		Language Usage		Indirect Composition		Idiomatic Expressions		Reading	
		Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted
62	Language Usage	0.537	0.523	0.485	0.538	0.445	0.467	0.450	0.473	0.450	0.467	0.392	0.405	0.605	0.526	0.498	0.424	0.491	0.404	0.342	0.440	0.440	0.440
63	Language Usage	0.574	0.559	0.513	0.588	0.542	0.517	0.473	0.473	0.473	0.491	0.424	0.459	0.605	0.518	0.498	0.424	0.459	0.404	0.342	0.440	0.440	0.440
64	Language Usage	0.604	0.591	0.468	0.624	0.594	0.564	0.509	0.509	0.509	0.522	0.440	0.459	0.605	0.518	0.498	0.424	0.459	0.404	0.342	0.440	0.440	0.440
65	Language Usage	0.470	0.452	0.408	0.509	0.456	0.431	0.381	0.381	0.381	0.383	0.339	0.339	0.538	0.438	0.430	0.339	0.339	0.320	0.320	0.320	0.320	0.320
66	Language Usage	0.508	0.494	0.443	0.546	0.447	0.434	0.405	0.405	0.405	0.434	0.354	0.354	0.501	0.478	0.481	0.354	0.354	0.328	0.328	0.328	0.328	0.328
67	Language Usage	0.490	0.475	0.419	0.520	0.420	0.403	0.371	0.371	0.371	0.362	0.314	0.314	0.501	0.478	0.481	0.314	0.314	0.328	0.328	0.328	0.328	0.328
68	Language Usage	0.360	0.346	0.304	0.395	0.328	0.314	0.285	0.285	0.285	0.285	0.237	0.237	0.389	0.328	0.328	0.237	0.237	0.237	0.237	0.237	0.237	0.237
69	Indirect Composition	0.413	0.400	0.374	0.434	0.395	0.371	0.331	0.331	0.331	0.325	0.285	0.285	0.470	0.393	0.393	0.285	0.285	0.285	0.285	0.285	0.285	0.285
70	Indirect Composition	0.369	0.356	0.323	0.434	0.344	0.320	0.293	0.293	0.293	0.301	0.250	0.250	0.326	0.326	0.326	0.250	0.250	0.250	0.250	0.250	0.250	0.250
71	Indirect Composition	0.467	0.454	0.416	0.494	0.456	0.427	0.380	0.380	0.380	0.407	0.335	0.335	0.422	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335
72	Indirect Composition	0.522	0.510	0.458	0.554	0.494	0.463	0.422	0.422	0.422	0.438	0.375	0.375	0.483	0.422	0.422	0.375	0.375	0.375	0.375	0.375	0.375	0.375
73	Indirect Composition	0.537	0.523	0.477	0.591	0.519	0.477	0.434	0.434	0.434	0.470	0.383	0.383	0.505	0.434	0.434	0.383	0.383	0.383	0.383	0.383	0.383	0.383
74	Indirect Composition	0.498	0.483	0.440	0.531	0.484	0.435	0.407	0.407	0.407	0.422	0.356	0.356	0.446	0.356	0.356	0.356	0.356	0.356	0.356	0.356	0.356	0.356
75	Indirect Composition	0.474	0.460	0.423	0.503	0.462	0.409	0.385	0.385	0.385	0.389	0.349	0.349	0.446	0.349	0.349	0.349	0.349	0.349	0.349	0.349	0.349	0.349
76	Indirect Composition	0.454	0.440	0.403	0.484	0.435	0.382	0.358	0.358	0.358	0.373	0.317	0.317	0.435	0.317	0.317	0.317	0.317	0.317	0.317	0.317	0.317	0.317
77	Indirect Composition	0.559	0.544	0.478	0.619	0.565	0.494	0.465	0.465	0.465	0.475	0.395	0.395	0.526	0.465	0.465	0.395	0.395	0.395	0.395	0.395	0.395	0.395
78	Indirect Composition	0.464	0.451	0.384	0.495	0.455	0.441	0.356	0.356	0.356	0.356	0.325	0.325	0.433	0.325	0.325	0.325	0.325	0.325	0.325	0.325	0.325	0.325
79	Indirect Composition	0.500	0.487	0.418	0.517	0.454	0.409	0.385	0.385	0.385	0.417	0.372	0.372	0.451	0.372	0.372	0.372	0.372	0.372	0.372	0.372	0.372	0.372
80	Indirect Composition	0.426	0.408	0.368	0.465	0.412	0.369	0.339	0.339	0.339	0.354	0.299	0.299	0.395	0.299	0.299	0.299	0.299	0.299	0.299	0.299	0.299	0.299
81	Indirect Composition	0.244	0.223	0.195	0.277	0.212	0.224	0.177	0.177	0.177	0.180	0.120	0.120	0.202	0.120	0.120	0.120	0.120	0.120	0.120	0.120	0.120	0.120
82	Indirect Composition	0.344	0.325	0.280	0.396	0.318	0.288	0.234	0.234	0.234	0.244	0.180	0.180	0.252	0.180	0.180	0.180	0.180	0.180	0.180	0.180	0.180	0.180
83	Indirect Composition	0.481	0.465	0.411	0.501	0.435	0.382	0.358	0.358	0.358	0.362	0.299	0.299	0.432	0.358	0.358	0.299	0.299	0.299	0.299	0.299	0.299	0.299
84	Indirect Composition	0.369	0.353	0.309	0.382	0.334	0.356	0.284	0.284	0.284	0.284	0.232	0.232	0.325	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232
85	Indirect Composition	0.514	0.497	0.438	0.529	0.478	0.488	0.398	0.398	0.398	0.411	0.367	0.367	0.457	0.367	0.367	0.367	0.367	0.367	0.367	0.367	0.367	0.367
86	Idiomatic Expressions	0.453	0.437	0.390	0.413	0.452	0.429	0.387	0.387	0.387	0.363	0.323	0.323	0.396	0.323	0.323	0.323	0.323	0.323	0.323	0.323	0.323	0.323
87	Idiomatic Expressions	0.487	0.478	0.439	0.441	0.496	0.467	0.410	0.410	0.410	0.415	0.357	0.357	0.426	0.357	0.357	0.357	0.357	0.357	0.357	0.357	0.357	0.357
88	Idiomatic Expressions	0.322	0.305	0.269	0.374	0.314	0.384	0.313	0.313	0.313	0.262	0.222	0.222	0.269	0.222	0.222	0.222	0.222	0.222	0.222	0.222	0.222	0.222
89	Idiomatic Expressions	0.403	0.385	0.338	0.369	0.440	0.384	0.321	0.321	0.321	0.324	0.228	0.228	0.355	0.228	0.228	0.228	0.228	0.228	0.228	0.228	0.228	0.228
90	Reading	0.278	0.268	0.241	0.296	0.293	0.283	0.221	0.221	0.221	0.228	0.174	0.174	0.204	0.174	0.174	0.174	0.174	0.174	0.174	0.174	0.174	0.174
91	Reading	0.356	0.346	0.297	0.357	0.368	0.337	0.268	0.268	0.268	0.273	0.204	0.204	0.268	0.204	0.204	0.204	0.204	0.204	0.204	0.204	0.204	0.204
92	Reading	0.497	0.480	0.411	0.474	0.435	0.400	0.337	0.337	0.337	0.337	0.273	0.273	0.337	0.273	0.273	0.273	0.273	0.273	0.273	0.273	0.273	0.273
93	Reading	0.603	0.584	0.529	0.564	0.610	0.581	0.488	0.488	0.488	0.501	0.432	0.432	0.529	0.432	0.432	0.432	0.432	0.432	0.432	0.432	0.432	0.432
94	Reading	0.549	0.541	0.483	0.549	0.567	0.510	0.453	0.453	0.453	0.451	0.399	0.399	0.452	0.399	0.399	0.399	0.399	0.399	0.399	0.399	0.399	0.399
95	Reading	0.476	0.476	0.418	0.465	0.516	0.464	0.383	0.383	0.383	0.384	0.357	0.357	0.452	0.357	0.357	0.357	0.357	0.357	0.357	0.357	0.357	0.357
96	Reading	0.458	0.442	0.391	0.432	0.516	0.467	0.341	0.341	0.341	0.341	0.302	0.302	0.399	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302	0.302
97	Reading	0.416	0.400	0.348	0.383	0.401	0.432	0.328	0.328	0.328	0.328	0.288	0.288	0.352	0.288	0.288	0.288	0.288	0.288	0.288	0.288	0.288	0.288
98	Reading	0.574	0.564	0.500	0.529	0.574	0.529	0.465	0.465	0.465	0.465	0.408	0.408	0.488	0.408	0.408	0.408	0.408	0.408	0.408	0.408	0.408	0.408
99	Reading	0.510	0.495	0.441	0.473	0.510	0.461	0.406	0.406	0.406	0.415	0.378	0.378	0.445	0.378	0.378	0.378	0.378	0.378	0.378	0.378	0.378	0.378
100	Reading	0.428	0.410	0.356	0.390	0.473	0.418	0.319	0.319	0.319	0.344	0.307	0.307	0.363	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307
101	Reading	0.398	0.383	0.333	0.359	0.442	0.393	0.308	0.308	0.308	0.317	0.274	0.274	0.333	0.274	0.274	0.274	0.274	0.274	0.274	0.274	0.274	0.274
102	Reading	0.420	0.403	0.342	0.420	0.475	0.420	0.307	0.307	0.307	0.333	0.293	0.293	0.364	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293
103	Reading	0.467	0.452	0.395	0.467	0.524	0.467	0.427	0.427	0.427	0.465	0.391	0.391	0.465	0.391	0.391	0.391	0.391	0.391	0.391	0.391	0.391	0.391
104	Reading	0.544	0.529	0.467	0.468	0.524	0.477	0.428	0.428	0.428	0.455	0.321	0.321	0.465	0.321	0.321	0.321	0.321	0.321	0.321	0.321	0.321	0.321
105	Reading	0.612	0.600	0.527	0.571	0.638	0.599	0.489	0.489	0.489	0.512	0.411	0.411	0.549	0.411	0.411	0.411	0.411	0.411	0.411	0.411	0.411	0.411
106	Reading	0.470	0.452	0.421	0.438	0.468	0.410	0.391	0.391	0.391	0.404	0.337	0.337	0.444	0.337	0.337	0.337	0.337	0.337	0.337	0.337	0.337	0.337
107	Reading	0.520	0.508	0.469	0.496	0.534	0.495	0.427	0.427	0.427	0.463	0.374	0.374	0.444	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374
108	Reading	0.446	0.430	0.358	0.401	0.451	0.395	0.340	0.340	0.340	0.340	0.311	0.311	0.395	0.311	0.311	0.311	0.311	0.311	0.311	0.311	0.311	0.311
109	Reading	0.446	0.430	0.358	0.401	0.451	0.395	0.340	0.340	0.340	0.340	0.311	0.311	0.395	0.311	0.311	0.311	0.311	0.311	0.311	0.311	0.311	0.311
110	Reading	0.446	0.430	0.358	0.401	0.451	0.395	0.340	0.340	0.340	0.340	0.311	0.311	0.395	0.311	0.311	0.311	0.311	0.311	0.311	0.311	0.311	0.311
111	Reading	0.446	0.430	0.358	0.401	0.451	0.395	0.340	0.340	0.340	0.340	0.311	0.311	0.395	0.311	0.311	0.311	0.311					

Level II, Form A: Part and Component Reliabilities with Item Deleted

Item Sequence No.	Component	Listening Comprehension		Item Sequence No.	Component	Language Usage and Indirect Composition		Item Sequence No.	Component	Vocabulary and Reading	
		Part Reliability with Item Deleted	Component Reliability with Item Deleted			Part Reliability with Item Deleted	Component Reliability with Item Deleted			Part Reliability with Item Deleted	Component Reliability with Item Deleted
1	Rejoinders	0.921	0.849	51	Language Usage	0.909	0.848	86	Vocabulary	0.890	0.498
2	Rejoinders	0.921	0.848	52	Language Usage	0.909	0.847	87	Vocabulary	0.889	0.466
3	Rejoinders	0.920	0.844	53	Language Usage	0.907	0.840	88	Vocabulary	0.891	0.492
4	Rejoinders	0.920	0.842	54	Language Usage	0.908	0.842	89	Vocabulary	0.893	0.552
5	Rejoinders	0.919	0.838	55	Language Usage	0.906	0.834	90	Vocabulary	0.891	0.517
6	Rejoinders	0.920	0.844	56	Language Usage	0.907	0.839	91	Vocabulary	0.893	0.878
7	Rejoinders	0.923	0.855	57	Language Usage	0.905	0.832	92	Vocabulary	0.889	0.874
8	Rejoinders	0.920	0.843	58	Language Usage	0.907	0.840	93	Vocabulary	0.892	0.877
9	Rejoinders	0.919	0.839	59	Language Usage	0.910	0.849	94	Vocabulary	0.889	0.873
10	Rejoinders	0.921	0.846	60	Language Usage	0.906	0.835	95	Vocabulary	0.890	0.875
11	Rejoinders	0.919	0.840	61	Language Usage	0.905	0.831	96	Reading	0.890	0.874
12	Rejoinders	0.920	0.844	62	Language Usage	0.906	0.836	97	Reading	0.890	0.874
13	Rejoinders	0.919	0.839	63	Language Usage	0.906	0.836	98	Reading	0.891	0.876
14	Rejoinders	0.920	0.846	64	Language Usage	0.905	0.833	99	Reading	0.893	0.878
15	Rejoinders	0.921	0.846	65	Language Usage	0.907	0.840	100	Reading	0.889	0.873
16	Rejoinders	0.920	0.846	66	Language Usage	0.906	0.838	101	Reading	0.889	0.874
17	Rejoinders	0.920	0.843	67	Language Usage	0.908	0.843	102	Reading	0.891	0.875
18	Rejoinders	0.921	0.846	68	Language Usage	0.908	0.818	103	Reading	0.891	0.876
19	Rejoinders	0.921	0.846	69	Language Usage	0.908	0.818	104	Reading	0.891	0.875
20	Rejoinders	0.920	0.844	70	Language Usage	0.909	0.821	105	Reading	0.890	0.874
21	Rejoinders	0.921	0.847	71	Language Usage	0.907	0.815	106	Reading	0.888	0.873
22	Rejoinders	0.922	0.850	72	Indirect Writing	0.906	0.813	107	Reading	0.890	0.875
23	Rejoinders	0.921	0.846	73	Indirect Writing	0.906	0.813	108	Reading	0.887	0.871
24	Rejoinders	0.919	0.841	74	Indirect Writing	0.907	0.814	109	Reading	0.891	0.876
25	Rejoinders	0.922	0.853	75	Indirect Writing	0.907	0.816	110	Reading	0.890	0.874
26	Short Conversations	0.921	0.847	76	Indirect Writing	0.906	0.810	111	Reading	0.891	0.875
27	Short Conversations	0.920	0.844	77	Indirect Writing	0.905	0.810	112	Reading	0.890	0.874
28	Short Conversations	0.919	0.835	78	Indirect Writing	0.907	0.815	113	Reading	0.892	0.877
29	Short Conversations	0.921	0.849	79	Indirect Writing	0.906	0.812	114	Reading	0.890	0.875
30	Short Conversations	0.920	0.840	80	Indirect Writing	0.908	0.818	115	Reading	0.895	0.881
31	Short Conversations	0.919	0.838	81	Indirect Writing	0.911	0.831	116	Reading	0.888	0.873
32	Short Conversations	0.918	0.834	82	Indirect Writing	0.910	0.824	117	Reading	0.891	0.876
33	Short Conversations	0.920	0.842	83	Indirect Writing	0.907	0.815	118	Reading	0.894	0.879
34	Short Conversations	0.919	0.839	84	Indirect Writing	0.909	0.821	119	Reading	0.893	0.878
35	Short Conversations	0.920	0.843	85	Indirect Writing	0.907	0.815	120	Reading	0.893	0.878
36	Short Conversations	0.919	0.839								
37	Short Conversations	0.920	0.844								
38	Short Conversations	0.919	0.837								
39	Short Conversations	0.918	0.832								
40	Short Conversations	0.918	0.830								
41	Discourse	0.920	0.568								
42	Discourse	0.919	0.549								
43	Discourse	0.920	0.575								
44	Discourse	0.923	0.627								
45	Discourse	0.923	0.618								
46	Discourse	0.921	0.577								
47	Discourse	0.919	0.562								
48	Discourse	0.921	0.595								
49	Discourse	0.922	0.599								
50	Discourse	0.921	0.582								

a. The alpha reliabilities of part and component scores with the item included are as follows:

Listening Comprehension:	0.922	Rejoinders:	0.850	Language Usage:	0.847	Idiomatic Expressions:	0.560
Lang. Usage and Indirect Writing:	0.910	Short Conversations:	0.849	Indirect Composition:	0.825	Reading:	0.879
Vocabulary and Reading:	0.893	Discourse:	0.611				

Table A 8

Level II, Form A: "True" Point Biserial Correlations of Items with Total Test, Part, and Component Scores

Item Sequence No.	Component	Total Test	Listening Comprehension	Language Usage and Indirect Composition	Idiomatic Expressions and Reading	Listening Comprehension			Language Usage and Indirect Composition		Idiomatic Expressions and Reading	
						Rejoinders	Short Conversations	Discourse	Language Usage	Indirect Composition	Idiomatic Expressions	Reading
Listening Comprehension:												
1	Rejoinders	0.291	0.288	0.277	0.276	0.276	0.289	0.283	0.268	0.283	0.295	0.270
2	Rejoinders	0.305	0.343	0.271	0.253	0.364	0.310	0.319	0.277	0.261	0.249	0.252
3	Rejoinders	0.412	0.438	0.382	0.361	0.470	0.403	0.380	0.382	0.376	0.369	0.356
4	Rejoinders	0.514	0.533	0.485	0.458	0.549	0.506	0.487	0.484	0.479	0.491	0.449
5	Rejoinders	0.573	0.607	0.547	0.487	0.620	0.584	0.555	0.565	0.521	0.471	0.486
	Rejoinders	0.469	0.489	0.454	0.401	0.491	0.478	0.456	0.462	0.439	0.434	0.393
	Rejoinders	0.143	0.110	0.158	0.154	0.099	0.109	0.133	0.149	0.166	0.158	0.152
	Rejoinders	0.501	0.529	0.463	0.441	0.517	0.522	0.517	0.471	0.449	0.480	0.431
	Rejoinders	0.577	0.597	0.554	0.504	0.612	0.565	0.559	0.558	0.542	0.487	0.503
	Rejoinders	0.376	0.391	0.330	0.359	0.404	0.365	0.364	0.317	0.339	0.366	0.355
	Rejoinders	0.540	0.585	0.500	0.459	0.599	0.556	0.544	0.503	0.490	0.491	0.450
	Rejoinders	0.484	0.517	0.425	0.443	0.531	0.493	0.473	0.426	0.419	0.470	0.434
	Rejoinders	0.535	0.585	0.490	0.452	0.610	0.558	0.515	0.506	0.466	0.460	0.444
	Rejoinders	0.392	0.405	0.370	0.351	0.408	0.388	0.388	0.363	0.372	0.376	0.347
	Rejoinders	0.363	0.393	0.332	0.312	0.403	0.369	0.375	0.345	0.314	0.289	0.313
	Rejoinders	0.387	0.423	0.344	0.337	0.418	0.410	0.419	0.356	0.325	0.268	0.329
	Rejoinders	0.505	0.534	0.477	0.434	0.525	0.528	0.514	0.488	0.459	0.464	0.425
	Rejoinders	0.378	0.381	0.359	0.349	0.395	0.356	0.352	0.352	0.361	0.321	0.350
	Rejoinders	0.364	0.394	0.334	0.313	0.412	0.360	0.371	0.356	0.306	0.328	0.307
	Rejoinders	0.443	0.481	0.405	0.380	0.472	0.470	0.473	0.428	0.376	0.379	0.377
	Rejoinders	0.370	0.382	0.337	0.342	0.393	0.356	0.368	0.344	0.326	0.306	0.345
	Rejoinders	0.295	0.297	0.288	0.264	0.289	0.288	0.302	0.291	0.282	0.234	0.266
	Rejoinders	0.358	0.380	0.330	0.316	0.394	0.351	0.362	0.342	0.312	0.289	0.317
	Rejoinders	0.508	0.548	0.467	0.438	0.556	0.522	0.523	0.494	0.432	0.420	0.437
	Rejoinders	0.213	0.215	0.189	0.210	0.225	0.187	0.220	0.193	0.183	0.162	0.215
	Short Conversations	0.329	0.326	0.306	0.317	0.288	0.360	0.332	0.305	0.303	0.273	0.322
	Short Conversations	0.405	0.410	0.389	0.365	0.381	0.434	0.399	0.389	0.385	0.379	0.359
	Short Conversations	0.551	0.591	0.519	0.464	0.567	0.613	0.557	0.528	0.503	0.482	0.458
	Short Conversations	0.307	0.311	0.287	0.286	0.283	0.332	0.319	0.299	0.270	0.265	0.287
	Short Conversations	0.508	0.517	0.483	0.460	0.500	0.521	0.502	0.487	0.473	0.462	0.456
	Short Conversations	0.528	0.555	0.502	0.458	0.526	0.558	0.571	0.518	0.478	0.457	0.454
	Short Conversations	0.580	0.622	0.527	0.512	0.599	0.631	0.604	0.528	0.520	0.510	0.507
	Short Conversations	0.470	0.468	0.447	0.439	0.437	0.478	0.485	0.450	0.438	0.423	0.438
	Short Conversations	0.499	0.543	0.455	0.428	0.530	0.545	0.516	0.461	0.442	0.434	0.423
	Short Conversations	0.463	0.467	0.437	0.430	0.458	0.462	0.450	0.436	0.432	0.423	0.427
	Short Conversations	0.553	0.536	0.544	0.517	0.516	0.546	0.516	0.545	0.536	0.538	0.509
	Short Conversations	0.412	0.426	0.383	0.374	0.410	0.427	0.422	0.380	0.382	0.360	0.373
	Short Conversations	0.542	0.550	0.519	0.490	0.508	0.582	0.549	0.533	0.498	0.483	0.487
	Short Conversations	0.633	0.661	0.611	0.543	0.643	0.655	0.650	0.635	0.578	0.520	0.542
	Short Conversations	0.687	0.697	0.657	0.620	0.664	0.713	0.689	0.659	0.646	0.635	0.612
	Discourse	0.475	0.499	0.441	0.420	0.481	0.495	0.504	0.443	0.433	0.423	0.416
	Discourse	0.526	0.564	0.488	0.454	0.542	0.561	0.571	0.497	0.472	0.443	0.452
	Discourse	0.504	0.498	0.476	0.479	0.468	0.512	0.500	0.466	0.482	0.514	0.469
	Discourse	0.166	0.139	0.181	0.166	0.127	0.136	0.165	0.178	0.183	0.152	0.167
	Discourse	0.214	0.202	0.219	0.198	0.197	0.195	0.210	0.220	0.215	0.181	0.199
	Discourse	0.355	0.369	0.333	0.318	0.341	0.369	0.421	0.335	0.326	0.307	0.317
	Discourse	0.513	0.541	0.478	0.449	0.518	0.551	0.525	0.480	0.471	0.443	0.446
	Discourse	0.278	0.280	0.258	0.263	0.256	0.284	0.310	0.254	0.259	0.262	0.261
	Discourse	0.291	0.280	0.270	0.290	0.270	0.270	0.301	0.269	0.269	0.271	0.291
	Discourse	0.384	0.398	0.358	0.347	0.399	0.378	0.392	0.350	0.362	0.354	0.343
	Language Usage	0.259	0.237	0.268	0.247	0.231	0.219	0.227	0.254	0.278	0.261	0.242
	Language Usage	0.303	0.280	0.293	0.309	0.272	0.297	0.203	0.286	0.295	0.327	0.303
	Language Usage	0.488	0.463	0.489	0.462	0.446	0.468	0.382	0.489	0.482	0.445	0.460
	Language Usage	0.442	0.420	0.434	0.426	0.393	0.434	0.359	0.436	0.426	0.417	0.424
	Language Usage	0.599	0.582	0.595	0.552	0.559	0.590	0.482	0.601	0.583	0.557	0.546
	Language Usage	0.477	0.432	0.489	0.467	0.410	0.437	0.370	0.491	0.482	0.419	0.470
	Language Usage	0.593	0.562	0.628	0.528	0.550	0.559	0.460	0.639	0.610	0.514	0.526
	Language Usage	0.465	0.456	0.463	0.422	0.441	0.446	0.398	0.483	0.437	0.455	0.413
	Language Usage	0.250	0.175	0.280	0.290	0.160	0.176	0.164	0.259	0.297	0.280	0.290
	Language Usage	0.559	0.545	0.577	0.490	0.532	0.544	0.446	0.585	0.563	0.468	0.490
	Language Usage	0.608	0.581	0.638	0.541	0.563	0.579	0.484	0.669	0.602	0.523	0.539
	Language Usage	0.533	0.506	0.565	0.471	0.488	0.507	0.426	0.575	0.549	0.456	0.469
	Language Usage	0.569	0.535	0.569	0.547	0.513	0.533	0.460	0.566	0.565	0.539	0.544
	Language Usage	0.602	0.569	0.614	0.562	0.552	0.566	0.477	0.618	0.602	0.564	0.557
	Language Usage	0.460	0.425	0.478	0.433	0.413	0.416	0.368	0.478	0.473	0.427	0.431
	Language Usage	0.503	0.462	0.529	0.473	0.440	0.471	0.384	0.526	0.526	0.505	0.464
	Language Usage	0.409	0.415	0.413	0.349	0.419	0.393	0.341	0.432	0.389	0.320	0.350
	Indirect Composition	0.393	0.369	0.403	0.369	0.359	0.363	0.310	0.375	0.431	0.388	0.362
	Indirect Composition	0.407	0.390	0.414	0.374	0.359	0.410	0.333	0.392	0.434	0.377	0.370
	Indirect Composition	0.362	0.336	0.361	0.355	0.318	0.327	0.314	0.354	0.364	0.393	0.346
	Indirect Composition	0.462	0.433	0.478	0.430	0.412	0.441	0.363	0.458	0.496	0.435	0.426
	Indirect Composition	0.520	0.477	0.545	0.489	0.458	0.476	0.407	0.525	0.562	0.489	0.485
	Indirect Composition	0.533	0.497	0.545	0.505	0.471	0.510	0.416	0.548	0.532	0.486	0.504
	Indirect Composition	0.492	0.458	0.508	0.461	0.441	0.458	0.386	0.499	0.513	0.414	0.464
	Indirect Composition	0.469	0.441	0.485	0.433	0.419	0.445	0.379	0.485	0.479	0.415	0.432
	Indirect Composition	0.541	0.470	0.584	0.531	0.446	0.472	0.408	0.585	0.573	0.482	0.534
	Indirect Composition	0.554	0.498	0.594	0.523	0.483	0.486	0.433	0.602	0.574	0.493	0.523
	Indirect Composition	0.459	0.400	0.478	0.486	0.387	0.389	0.353	0.455	0.497	0.467	0.462
	Indirect Composition	0.527	0.473	0.567	0.496	0.452	0.475	0.404	0.560	0.568	0.489	0.493
	Indirect Composition	0.415	0.383	0.433	0.391	0.368	0.385	0.325	0.429	0.431	0.374	0.390
	Indirect Composition	0.227	0.203	0.222	0.237	0.192	0.195	0.194	0.219	0.222	0.214	0.238
	Indirect Composition	0.330	0.302	0.322	0.336	0.291	0.298	0.264	0.319	0.322	0.303	0.339
	Indirect Composition	0.459	0.418	0.473	0.445	0.406	0.415	0.353	0.442	0.503	0.413	0.446
	Indirect Composition	0.360	0.322	0.350	0.376	0.303	0.324	0.284	0.337	0.360	0.368	0.375
	Indirect Composition	0.506	0.456	0.502	0.516	0.432	0.446	0.420	0.497	0.501	0.483	0.517

Level II, Form A: "True" Point Biserial Correlations of Items with Total Test, Part, and Component Scores

Item Sequence No.	Component	Total Test	Listening Comprehension	Language Usage and Indirect Composition	Idiomatic Expressions and Reading	Listening Comprehension			Language Usage and Indirect Composition		Idiomatic Expressions and Reading	
						Rejoinders	Short Conversations	Discourse	Language Usage	Indirect Composition	Idiomatic Expressions	Reading
	Idiomatic Expressions	0.445	0.407	0.433	0.455	0.398	0.394	0.351	0.432	0.429	0.473	0.449
	Idiomatic Expressions	0.562	0.528	0.552	0.550	0.503	0.526	0.461	0.544	0.552	0.588	0.542
	Idiomatic Expressions	0.486	0.456	0.462	0.495	0.445	0.446	0.388	0.439	0.480	0.562	0.483
	Idiomatic Expressions	0.308	0.280	0.288	0.332	0.264	0.285	0.241	0.292	0.280	0.339	0.329
	Idiomatic Expressions	0.392	0.352	0.387	0.407	0.340	0.352	0.294	0.385	0.384	0.423	0.402
	Reading	0.273	0.251	0.268	0.274	0.240	0.248	0.222	0.250	0.283	0.311	0.266
	Reading	0.556	0.518	0.530	0.569	0.497	0.513	0.449	0.508	0.546	0.602	0.559
	Reading	0.360	0.324	0.345	0.382	0.314	0.327	0.263	0.335	0.351	0.395	0.376
	Reading	0.605	0.551	0.595	0.616	0.530	0.551	0.469	0.574	0.610	0.629	0.608
	Reading	0.551	0.503	0.529	0.573	0.492	0.490	0.433	0.491	0.562	0.591	0.564
	Reading	0.485	0.435	0.488	0.492	0.416	0.428	0.388	0.473	0.497	0.441	0.497
	Reading	0.450	0.376	0.453	0.495	0.361	0.371	0.328	0.433	0.469	0.460	0.497
	Reading	0.407	0.362	0.402	0.425	0.350	0.357	0.313	0.383	0.417	0.412	0.423
	Reading	0.238	0.189	0.237	0.279	0.170	0.193	0.179	0.211	0.261	0.270	0.278
	Reading	0.575	0.521	0.547	0.609	0.494	0.530	0.443	0.530	0.559	0.593	0.606
	Reading	0.504	0.460	0.496	0.510	0.441	0.450	0.410	0.484	0.504	0.490	0.509
	Reading	0.418	0.370	0.409	0.443	0.346	0.374	0.334	0.395	0.418	0.392	0.447
	Reading	0.390	0.347	0.377	0.417	0.334	0.344	0.298	0.362	0.387	0.404	0.415
	Reading	0.410	0.357	0.400	0.445	0.333	0.362	0.318	0.395	0.401	0.411	0.447
	Reading	0.505	0.474	0.496	0.495	0.471	0.458	0.393	0.509	0.476	0.548	0.497
	Reading	0.538	0.487	0.518	0.567	0.463	0.505	0.392	0.509	0.520	0.544	0.566
	Reading	0.440	0.402	0.428	0.453	0.385	0.399	0.349	0.422	0.429	0.420	0.455
	Reading	0.611	0.549	0.599	0.636	0.531	0.556	0.446	0.596	0.594	0.591	0.638
	Reading	0.460	0.439	0.459	0.434	0.424	0.439	0.365	0.469	0.442	0.397	0.436
	Reading	0.518	0.488	0.489	0.525	0.463	0.503	0.406	0.482	0.490	0.525	0.520
	Reading	0.388	0.331	0.366	0.444	0.309	0.326	0.314	0.337	0.393	0.370	0.453
	Reading	0.438	0.373	0.420	0.495	0.352	0.370	0.337	0.401	0.435	0.445	0.499
	Reading	0.331	0.292	0.317	0.360	0.277	0.289	0.261	0.304	0.326	0.301	0.367
	Reading	0.429	0.374	0.410	0.473	0.353	0.377	0.329	0.405	0.411	0.420	0.478
	Reading	0.209	0.183	0.215	0.214	0.187	0.155	0.178	0.211	0.216	0.184	0.217
	Reading	0.507	0.453	0.474	0.559	0.431	0.452	0.399	0.461	0.482	0.483	0.567
	Reading	0.413	0.376	0.396	0.434	0.358	0.374	0.330	0.394	0.392	0.414	0.433
	Reading	0.262	0.261	0.246	0.248	0.263	0.233	0.240	0.251	0.237	0.227	0.249
	Reading	0.301	0.270	0.271	0.339	0.252	0.278	0.231	0.283	0.255	0.329	0.338
	Reading	0.295	0.258	0.275	0.334	0.248	0.261	0.215	0.271	0.275	0.301	0.336

Table A 9

Level II, Form B: Item Point Biserial Correlations with Total Test, Part and Component Scores. Item Included and Item Deleted

Item Sequence No.	Component	Total Test		Listening Comprehension		Language Usage and Indirect Composition		Idiomatic Expressions and Reading		Rejoinders		Short Conversations		Discourse		Language Usage		Indirect Composition		Idiomatic Expressions		Reading	
		Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted	Item Included	Item Deleted
62	Language Usage	0.370	0.350	0.254	0.254	0.431	0.370	0.321	0.321	0.256	0.288	0.271	0.344	0.457	0.344	0.258	0.316	0.349	0.424	0.258	0.316	0.316	0.316
63	Language Usage	0.281	0.259	0.235	0.235	0.291	0.291	0.228	0.228	0.226	0.217	0.217	0.241	0.256	0.241	0.190	0.223	0.241	0.241	0.190	0.223	0.223	0.223
64	Language Usage	0.379	0.379	0.335	0.335	0.417	0.353	0.369	0.369	0.304	0.331	0.331	0.348	0.348	0.348	0.301	0.301	0.348	0.301	0.301	0.301	0.301	0.301
65	Language Usage	0.400	0.380	0.339	0.339	0.417	0.353	0.369	0.369	0.304	0.331	0.331	0.348	0.348	0.348	0.301	0.301	0.348	0.301	0.301	0.301	0.301	0.301
66	Language Usage	0.398	0.379	0.328	0.328	0.442	0.390	0.352	0.352	0.291	0.312	0.312	0.339	0.339	0.339	0.283	0.347	0.339	0.283	0.283	0.283	0.283	0.283
67	Language Usage	0.641	0.627	0.576	0.576	0.627	0.578	0.582	0.582	0.526	0.555	0.555	0.564	0.564	0.564	0.506	0.564	0.526	0.506	0.506	0.506	0.506	0.506
68	Indirect Composition	0.362	0.348	0.304	0.304	0.397	0.332	0.317	0.317	0.285	0.288	0.288	0.314	0.314	0.314	0.265	0.309	0.314	0.265	0.265	0.265	0.265	0.265
69	Indirect Composition	0.359	0.344	0.326	0.326	0.379	0.332	0.337	0.337	0.305	0.288	0.288	0.324	0.324	0.324	0.265	0.309	0.324	0.265	0.265	0.265	0.265	0.265
70	Indirect Composition	0.439	0.426	0.379	0.379	0.442	0.390	0.352	0.352	0.291	0.312	0.312	0.339	0.339	0.339	0.283	0.347	0.339	0.283	0.283	0.283	0.283	0.283
71	Indirect Composition	0.439	0.426	0.379	0.379	0.442	0.390	0.352	0.352	0.291	0.312	0.312	0.339	0.339	0.339	0.283	0.347	0.339	0.283	0.283	0.283	0.283	0.283
72	Indirect Composition	0.489	0.477	0.436	0.436	0.465	0.420	0.372	0.372	0.364	0.362	0.362	0.377	0.377	0.377	0.332	0.369	0.377	0.332	0.332	0.332	0.332	0.332
73	Indirect Composition	0.529	0.514	0.469	0.469	0.526	0.504	0.408	0.408	0.394	0.406	0.406	0.412	0.412	0.412	0.369	0.440	0.412	0.369	0.369	0.369	0.369	0.369
74	Indirect Composition	0.459	0.442	0.398	0.398	0.505	0.504	0.459	0.459	0.429	0.443	0.443	0.443	0.443	0.443	0.424	0.440	0.443	0.424	0.424	0.424	0.424	0.424
75	Indirect Composition	0.294	0.276	0.221	0.221	0.362	0.307	0.252	0.252	0.195	0.224	0.224	0.224	0.224	0.224	0.182	0.244	0.224	0.182	0.182	0.182	0.182	0.182
76	Indirect Composition	0.355	0.335	0.285	0.285	0.417	0.353	0.304	0.304	0.256	0.288	0.288	0.314	0.314	0.314	0.265	0.309	0.314	0.265	0.265	0.265	0.265	0.265
77	Indirect Composition	0.545	0.529	0.450	0.450	0.526	0.504	0.408	0.408	0.394	0.406	0.406	0.412	0.412	0.412	0.369	0.440	0.412	0.369	0.369	0.369	0.369	0.369
78	Indirect Composition	0.416	0.402	0.360	0.360	0.452	0.406	0.356	0.356	0.443	0.437	0.437	0.443	0.443	0.443	0.412	0.440	0.443	0.412	0.412	0.412	0.412	0.412
79	Indirect Composition	0.431	0.414	0.369	0.369	0.449	0.394	0.353	0.353	0.367	0.362	0.362	0.377	0.377	0.377	0.332	0.369	0.377	0.332	0.332	0.332	0.332	0.332
80	Indirect Composition	0.379	0.359	0.311	0.311	0.419	0.355	0.338	0.338	0.290	0.284	0.284	0.284	0.284	0.284	0.265	0.309	0.284	0.265	0.265	0.265	0.265	0.265
81	Indirect Composition	0.371	0.354	0.260	0.260	0.439	0.389	0.359	0.359	0.298	0.270	0.270	0.270	0.270	0.270	0.265	0.309	0.270	0.265	0.265	0.265	0.265	0.265
82	Indirect Composition	0.370	0.357	0.260	0.260	0.439	0.389	0.359	0.359	0.298	0.270	0.270	0.270	0.270	0.270	0.265	0.309	0.270	0.265	0.265	0.265	0.265	0.265
83	Indirect Composition	0.392	0.382	0.351	0.351	0.439	0.389	0.359	0.359	0.298	0.270	0.270	0.270	0.270	0.270	0.265	0.309	0.270	0.265	0.265	0.265	0.265	0.265
84	Indirect Composition	0.292	0.284	0.203	0.203	0.326	0.268	0.274	0.274	0.175	0.169	0.169	0.169	0.169	0.169	0.202	0.281	0.169	0.202	0.202	0.202	0.202	0.202
85	Indirect Composition	0.459	0.444	0.396	0.396	0.465	0.415	0.424	0.424	0.354	0.390	0.390	0.390	0.390	0.390	0.377	0.421	0.390	0.377	0.377	0.377	0.377	0.377
86	Idiomatic Expressions	0.463	0.466	0.458	0.458	0.411	0.411	0.466	0.466	0.412	0.428	0.428	0.428	0.428	0.428	0.383	0.428	0.428	0.383	0.383	0.383	0.383	0.383
87	Idiomatic Expressions	0.588	0.574	0.569	0.569	0.505	0.505	0.552	0.552	0.547	0.519	0.519	0.519	0.519	0.519	0.465	0.519	0.519	0.465	0.465	0.465	0.465	0.465
88	Idiomatic Expressions	0.318	0.297	0.253	0.253	0.260	0.260	0.376	0.376	0.217	0.249	0.249	0.249	0.249	0.249	0.234	0.249	0.249	0.234	0.234	0.234	0.234	0.234
89	Idiomatic Expressions	0.455	0.443	0.412	0.412	0.439	0.415	0.415	0.415	0.376	0.362	0.362	0.362	0.362	0.362	0.374	0.362	0.362	0.374	0.374	0.374	0.374	0.374
90	Idiomatic Expressions	0.369	0.351	0.300	0.300	0.326	0.306	0.406	0.406	0.263	0.279	0.279	0.279	0.279	0.279	0.294	0.295	0.279	0.294	0.294	0.294	0.294	0.294
91	Reading	0.471	0.454	0.389	0.389	0.416	0.454	0.512	0.512	0.348	0.368	0.368	0.368	0.368	0.368	0.353	0.368	0.368	0.353	0.353	0.353	0.353	0.353
92	Reading	0.471	0.454	0.389	0.389	0.416	0.454	0.512	0.512	0.348	0.368	0.368	0.368	0.368	0.368	0.353	0.368	0.368	0.353	0.353	0.353	0.353	0.353
93	Reading	0.471	0.454	0.389	0.389	0.416	0.454	0.512	0.512	0.348	0.368	0.368	0.368	0.368	0.368	0.353	0.368	0.368	0.353	0.353	0.353	0.353	0.353
94	Reading	0.549	0.536	0.452	0.452	0.526	0.508	0.568	0.568	0.382	0.434	0.434	0.434	0.434	0.434	0.428	0.434	0.434	0.428	0.428	0.428	0.428	0.428
95	Reading	0.490	0.475	0.406	0.406	0.457	0.406	0.466	0.466	0.359	0.369	0.369	0.369	0.369	0.369	0.373	0.369	0.369	0.373	0.373	0.373	0.373	0.373
96	Reading	0.365	0.346	0.274	0.274	0.317	0.346	0.435	0.435	0.233	0.273	0.273	0.273	0.273	0.273	0.255	0.273	0.273	0.255	0.255	0.255	0.255	0.255
97	Reading	0.324	0.306	0.261	0.261	0.267	0.324	0.376	0.376	0.232	0.256	0.256	0.256	0.256	0.256	0.230	0.256	0.256	0.230	0.230	0.230	0.230	0.230
98	Reading	0.381	0.363	0.279	0.279	0.343	0.306	0.462	0.462	0.234	0.278	0.278	0.278	0.278	0.278	0.266	0.278	0.278	0.266	0.266	0.266	0.266	0.266
99	Reading	0.472	0.459	0.392	0.392	0.411	0.472	0.539	0.539	0.401	0.431	0.431	0.431	0.431	0.431	0.415	0.431	0.431	0.415	0.415	0.415	0.415	0.415
100	Reading	0.469	0.459	0.392	0.392	0.411	0.472	0.539	0.539	0.401	0.431	0.431	0.431	0.431	0.431	0.415	0.431	0.431	0.415	0.415	0.415	0.415	0.415
101	Reading	0.395	0.381	0.306	0.306	0.395	0.381	0.524	0.524	0.382	0.390	0.390	0.390	0.390	0.390	0.383	0.390	0.390	0.383	0.383	0.383	0.383	0.383
102	Reading	0.469	0.473	0.403	0.403	0.440	0.440	0.524	0.524	0.479	0.347	0.347	0.347	0.347	0.347	0.367	0.347	0.347	0.367	0.367	0.367	0.367	0.367
103	Reading	0.468	0.451	0.385	0.385	0.445	0.406	0.461	0.461	0.469	0.334	0.334	0.334	0.334	0.334	0.354	0.334	0.334	0.354	0.354	0.354	0.354	0.354
104	Reading	0.460	0.448	0.382	0.382	0.445	0.406	0.461	0.461	0.469	0.334	0.334	0.334	0.334	0.334	0.354	0.334	0.334	0.354	0.354	0.354	0.354	0.354
105	Reading	0.393	0.374	0.310	0.310	0.341	0.393	0.451	0.451	0.286	0.286	0.286	0.286	0.286	0.286	0.284	0.286	0.286	0.284	0.284	0.284	0.284	0.284
106	Reading	0.474	0.454	0.392	0.392	0.467	0.454	0.539	0.539	0.401	0.431	0.431	0.431	0.431	0.431	0.415	0.431	0.431	0.415	0.415	0.415	0.415	0.415
107	Reading	0.538	0.522	0.453	0.453	0.467	0.453	0.539	0.539	0.401	0.431	0.431	0.431	0.431	0.431	0.415	0.431	0.431	0.415	0.415	0.415	0.415	0.415
108	Reading	0.425	0.407	0.312	0.312	0.393	0.312	0.504	0.504	0.453	0.260	0.260	0.260	0.260	0.260	0.271	0.260	0.260	0.271	0.271	0.271	0.271	0.271
109	Reading	0.371	0.351	0.301	0.301	0.317	0.371	0.418	0.418	0.300	0.268	0.268	0.268	0.268	0.268	0.262	0.268	0.268	0.262	0.262	0.262	0.262	0.262
110	Reading	0.169	0.146	0.142	0.142	0.126	0.142	0.198	0.198	0.132	0.121	0.121	0.121	0.121	0.121	0.146	0.121	0.121	0.146	0.146	0.146	0.146	0.146
111	Reading	0.505	0.488	0.426	0.426	0.505	0.488	0.538	0.538	0.487	0.377	0.377	0.377	0.377	0.377	0.388	0.377	0.377					

Level II, Form B: Part and Component Reliabilities with Item Deleted

Item Sequence No.	Component	Listening Comprehension		Item Sequence No.	Component	Language Usage and Indirect Composition		Item Sequence No.	Component	Vocabulary and Reading	
		Part Reliability with Item Deleted	Component Reliability with Item Deleted			Part Reliability with Item Deleted	Component Reliability with Item Deleted			Part Reliability with Item Deleted	Component Reliability with Item Deleted
1	Rejoinders	0.908	0.799	51	Language Usage	0.884	0.799	86	Idiomatic Expressions	0.889	0.543
2	Rejoinders	0.910	0.808	52	Language Usage	0.884	0.799	87	Idiomatic Expressions	0.887	0.487
3	Rejoinders	0.909	0.804	53	Language Usage	0.881	0.790	88	Idiomatic Expressions	0.888	0.508
4	Rejoinders	0.912	0.817	54	Language Usage	0.879	0.785	89	Idiomatic Expressions	0.891	0.591
5	Rejoinders	0.907	0.795	55	Language Usage	0.882	0.793	90	Idiomatic Expressions	0.890	0.560
6	Rejoinders	0.908	0.800	56	Language Usage	0.879	0.781	91	Reading	0.890	0.872
7	Rejoinders	0.908	0.800	57	Language Usage	0.883	0.796	92	Reading	0.888	0.870
8	Rejoinders	0.908	0.799	58	Language Usage	0.883	0.796	93	Reading	0.890	0.872
9	Rejoinders	0.907	0.795	59	Language Usage	0.882	0.791	94	Reading	0.888	0.869
10	Rejoinders	0.907	0.796	60	Language Usage	0.878	0.780	95	Reading	0.888	0.870
11	Rejoinders	0.907	0.796	61	Language Usage	0.880	0.787	96	Reading	0.890	0.872
12	Rejoinders	0.908	0.800	62	Language Usage	0.882	0.794	97	Reading	0.891	0.873
13	Rejoinders	0.907	0.792	63	Language Usage	0.885	0.802	98	Reading	0.889	0.871
14	Rejoinders	0.913	0.818	64	Language Usage	0.881	0.787	99	Reading	0.889	0.870
15	Rejoinders	0.908	0.800	65	Language Usage	0.883	0.794	100	Reading	0.888	0.869
16	Rejoinders	0.907	0.794	66	Language Usage	0.882	0.792	101	Reading	0.890	0.872
17	Rejoinders	0.908	0.797	67	Language Usage	0.878	0.778	102	Reading	0.888	0.870
18	Rejoinders	0.908	0.797	68	Indirect Composition	0.883	0.787	103	Reading	0.888	0.870
19	Rejoinders	0.910	0.805	69	Indirect Composition	0.883	0.788	104	Reading	0.889	0.871
20	Rejoinders	0.907	0.794	70	Indirect Composition	0.883	0.789	105	Reading	0.890	0.871
21	Rejoinders	0.908	0.799	71	Indirect Composition	0.881	0.783	106	Reading	0.889	0.871
22	Rejoinders	0.913	0.818	72	Indirect Composition	0.880	0.780	107	Reading	0.888	0.869
23	Rejoinders	0.908	0.798	73	Indirect Composition	0.880	0.779	108	Reading	0.888	0.870
24	Rejoinders	0.907	0.793	74	Indirect Composition	0.881	0.782	109	Reading	0.890	0.872
25	Rejoinders	0.908	0.798	75	Indirect Composition	0.883	0.790	110	Reading	0.894	0.878
26	Short Conversations	0.908	0.779	76	Indirect Composition	0.882	0.787	111	Reading	0.888	0.869
27	Short Conversations	0.908	0.782	77	Indirect Composition	0.879	0.777	112	Reading	0.888	0.870
28	Short Conversations	0.909	0.788	78	Indirect Composition	0.882	0.784	113	Reading	0.890	0.873
29	Short Conversations	0.906	0.766	79	Indirect Composition	0.882	0.786	114	Reading	0.889	0.870
30	Short Conversations	0.907	0.776	80	Indirect Composition	0.883	0.791	115	Reading	0.890	0.872
31	Short Conversations	0.911	0.801	81	Indirect Composition	0.882	0.784	116	Reading	0.889	0.871
32	Short Conversations	0.907	0.774	82	Indirect Composition	0.883	0.789	117	Reading	0.888	0.870
33	Short Conversations	0.907	0.774	83	Indirect Composition	0.882	0.785	118	Reading	0.889	0.871
34	Short Conversations	0.909	0.786	84	Indirect Composition	0.884	0.791	119	Reading	0.889	0.871
35	Short Conversations	0.909	0.785	85	Indirect Composition	0.881	0.784	120	Reading	0.891	0.873
36	Short Conversations	0.907	0.774								
37	Short Conversations	0.909	0.790								
38	Short Conversations	0.906	0.772								
39	Short Conversations	0.906	0.769								
40	Short Conversations	0.908	0.783								
41	Discourse	0.908	0.695								
42	Discourse	0.908	0.697								
43	Discourse	0.908	0.696								
44	Discourse	0.909	0.696								
45	Discourse	0.910	0.724								
46	Discourse	0.908	0.688								
47	Discourse	0.908	0.684								
48	Discourse	0.908	0.686								
49	Discourse	0.905	0.652								
50	Discourse	0.907	0.677								

a. The alpha reliabilities of part and component scores with the item included are as follows:

Listening Comprehension:	0.910	Rejoinders:	0.807	Language Usage:	0.801	Idiomatic Expressions:	0.594
Lang. Usage and Indirect Composition:	0.885	Short Conversations:	0.792	Indirect Composition:	0.795	Reading:	0.875
Idiomatic Expressions and Reading:	0.892	Discourse:	0.712				

Table A 11

Level II, Form B: "True" Point Biserial Correlations of Items with Total Test, Part, and Component Scores

Item Sequence No.	Component	Total Test	Listening Comprehension	Language Usage and Indirect Composition	Idiomatic Expressions and Reading	Listening Comprehension			Language Usage and Indirect Composition		Idiomatic Expressions and Reading	
						Rejoinders	Short Conversations	Discourse	Language Usage	Indirect Composition	Idiomatic Expressions	Reading
Listening Comprehension:												
1	Rejoinders	0.395	0.418	0.365	0.340	0.413	0.414	0.415	0.354	0.368	0.389	0.328
2	Rejoinders	0.152	0.157	0.136	0.139	0.162	0.141	0.163	0.154	0.114	0.170	0.132
3	Rejoinders	0.300	0.304	0.294	0.261	0.297	0.292	0.322	0.277	0.303	0.291	0.253
4	Rejoinders	-0.005	0.020	-0.018	-0.023	0.026	0.009	0.022	0.005	-0.042	0.016	-0.030
5	Rejoinders	0.483	0.498	0.448	0.431	0.507	0.485	0.475	0.449	0.436	0.508	0.414
	Rejoinders	0.380	0.407	0.349	0.323	0.426	0.393	0.373	0.336	0.354	0.343	0.316
	Rejoinders	0.400	0.423	0.379	0.338	0.431	0.409	0.407	0.365	0.383	0.387	0.326
	Rejoinders	0.451	0.466	0.426	0.393	0.464	0.460	0.458	0.411	0.430	0.416	0.385
	Rejoinders	0.448	0.494	0.374	0.398	0.510	0.481	0.458	0.385	0.354	0.474	0.381
	Rejoinders	0.426	0.476	0.355	0.371	0.482	0.464	0.460	0.359	0.343	0.470	0.350
	Rejoinders	0.469	0.502	0.440	0.389	0.505	0.491	0.492	0.427	0.444	0.471	0.371
	Rejoinders	0.379	0.403	0.347	0.327	0.403	0.394	0.397	0.338	0.349	0.367	0.317
	Rejoinders	0.527	0.565	0.483	0.451	0.568	0.561	0.539	0.490	0.464	0.522	0.434
	Rejoinders	-0.015	-0.016	-0.040	0.010	-0.024	0.003	-0.029	-0.048	-0.032	0.001	0.012
	Rejoinders	0.364	0.391	0.344	0.299	0.407	0.376	0.366	0.335	0.345	0.380	0.283
	Rejoinders	0.465	0.524	0.390	0.399	0.529	0.510	0.512	0.397	0.374	0.484	0.381
	Rejoinders	0.435	0.451	0.401	0.386	0.452	0.450	0.432	0.423	0.369	0.461	0.369
	Rejoinders	0.407	0.451	0.353	0.347	0.468	0.436	0.420	0.373	0.323	0.428	0.330
	Rejoinders	0.268	0.284	0.227	0.249	0.294	0.268	0.276	0.247	0.202	0.283	0.241
	Rejoinders	0.462	0.515	0.403	0.388	0.539	0.491	0.487	0.407	0.390	0.499	0.365
	Rejoinders	0.385	0.417	0.348	0.329	0.429	0.406	0.391	0.350	0.337	0.379	0.317
	Rejoinders	0.026	0.005	0.021	0.053	0.002	0.014	-0.002	0.025	0.016	0.029	0.057
	Rejoinders	0.388	0.432	0.326	0.337	0.430	0.436	0.409	0.346	0.298	0.397	0.324
	Rejoinders	0.502	0.541	0.456	0.429	0.551	0.525	0.521	0.458	0.442	0.509	0.411
	Rejoinders	0.455	0.483	0.423	0.386	0.494	0.469	0.460	0.402	0.435	0.424	0.376
	Short Conversations	0.463	0.480	0.440	0.401	0.478	0.479	0.462	0.431	0.438	0.416	0.395
	Short Conversations	0.433	0.415	0.407	0.417	0.395	0.431	0.414	0.405	0.401	0.441	0.409
	Short Conversations	0.296	0.323	0.279	0.238	0.321	0.313	0.313	0.270	0.282	0.257	0.232
	Short Conversations	0.590	0.603	0.550	0.530	0.571	0.640	0.594	0.547	0.541	0.574	0.517
	Short Conversations	0.494	0.496	0.470	0.446	0.473	0.520	0.490	0.454	0.474	0.501	0.433
	Short Conversations	0.172	0.167	0.143	0.181	0.170	0.151	0.176	0.151	0.130	0.240	0.169
	Short Conversations	0.544	0.562	0.505	0.482	0.559	0.549	0.560	0.480	0.519	0.531	0.469
	Short Conversations	0.516	0.520	0.492	0.460	0.484	0.542	0.542	0.486	0.488	0.487	0.452
	Short Conversations	0.350	0.369	0.310	0.317	0.359	0.361	0.384	0.305	0.308	0.348	0.308
	Short Conversations	0.357	0.371	0.327	0.320	0.376	0.377	0.334	0.340	0.305	0.374	0.308
	Short Conversations	0.510	0.521	0.463	0.470	0.504	0.539	0.507	0.482	0.431	0.541	0.453
	Short Conversations	0.276	0.295	0.234	0.252	0.294	0.280	0.305	0.237	0.224	0.269	0.247
	Short Conversations	0.530	0.562	0.465	0.477	0.559	0.558	0.547	0.472	0.447	0.564	0.458
	Short Conversations	0.576	0.620	0.510	0.504	0.612	0.607	0.622	0.519	0.489	0.590	0.484
	Short Conversations	0.381	0.397	0.342	0.344	0.385	0.416	0.381	0.350	0.326	0.383	0.334
	Discourse	0.374	0.400	0.333	0.330	0.385	0.402	0.411	0.319	0.339	0.353	0.323
	Discourse	0.365	0.387	0.328	0.322	0.381	0.377	0.398	0.327	0.321	0.359	0.313
	Discourse	0.415	0.444	0.350	0.383	0.443	0.445	0.415	0.368	0.323	0.444	0.369
	Discourse	0.394	0.382	0.391	0.358	0.349	0.388	0.430	0.360	0.415	0.383	0.350
	Discourse	0.219	0.224	0.199	0.202	0.207	0.240	0.227	0.189	0.204	0.223	0.196
	Discourse	0.462	0.453	0.445	0.426	0.431	0.448	0.488	0.427	0.453	0.449	0.418
	Discourse	0.459	0.458	0.421	0.431	0.437	0.457	0.489	0.418	0.414	0.479	0.419
	Discourse	0.451	0.462	0.404	0.420	0.447	0.459	0.479	0.419	0.379	0.420	0.416
	Discourse	0.669	0.689	0.612	0.605	0.667	0.691	0.703	0.610	0.598	0.660	0.591
	Discourse	0.517	0.538	0.467	0.467	0.530	0.529	0.544	0.454	0.468	0.523	0.453
	Language Usage	0.242	0.209	0.273	0.223	0.199	0.210	0.206	0.268	0.272	0.210	0.223
	Language Usage	0.271	0.257	0.279	0.244	0.248	0.263	0.243	0.266	0.285	0.245	0.242
	Language Usage	0.454	0.421	0.456	0.430	0.412	0.420	0.401	0.464	0.438	0.463	0.421
	Language Usage	0.528	0.499	0.544	0.479	0.495	0.493	0.468	0.543	0.531	0.511	0.469
	Language Usage	0.374	0.325	0.413	0.352	0.300	0.338	0.324	0.412	0.404	0.357	0.348
	Language Usage	0.557	0.517	0.581	0.509	0.511	0.520	0.476	0.606	0.546	0.565	0.494
	Language Usage	0.366	0.334	0.363	0.358	0.324	0.337	0.318	0.366	0.352	0.358	0.355
	Language Usage	0.301	0.201	0.374	0.323	0.164	0.226	0.219	0.352	0.385	0.257	0.332
	Language Usage	0.384	0.327	0.428	0.366	0.317	0.332	0.307	0.439	0.407	0.388	0.359
	Language Usage	0.592	0.558	0.603	0.544	0.542	0.568	0.520	0.619	0.575	0.607	0.528
	Language Usage	0.481	0.439	0.487	0.461	0.423	0.451	0.411	0.503	0.461	0.483	0.453
	Language Usage	0.358	0.308	0.394	0.340	0.285	0.322	0.304	0.386	0.392	0.335	0.338
	Language Usage	0.265	0.246	0.277	0.241	0.252	0.244	0.213	0.269	0.278	0.247	0.238
	Language Usage	0.464	0.425	0.476	0.439	0.401	0.437	0.410	0.502	0.442	0.467	0.430
	Language Usage	0.388	0.352	0.376	0.391	0.338	0.372	0.314	0.391	0.353	0.390	0.388
	Language Usage	0.387	0.344	0.405	0.373	0.323	0.351	0.340	0.421	0.380	0.368	0.371
	Language Usage	0.640	0.604	0.617	0.616	0.586	0.623	0.555	0.640	0.583	0.657	0.603
	Indirect Composition	0.355	0.319	0.374	0.336	0.294	0.321	0.334	0.351	0.391	0.349	0.331
	Indirect Composition	0.352	0.342	0.354	0.314	0.339	0.335	0.323	0.336	0.365	0.344	0.306
	Indirect Composition	0.324	0.291	0.344	0.304	0.276	0.301	0.278	0.330	0.352	0.305	0.301
	Indirect Composition	0.435	0.411	0.447	0.394	0.405	0.406	0.391	0.422	0.465	0.431	0.384
	Indirect Composition	0.487	0.457	0.519	0.432	0.439	0.456	0.449	0.489	0.539	0.484	0.419
	Indirect Composition	0.526	0.491	0.538	0.486	0.478	0.498	0.461	0.528	0.533	0.550	0.471
	Indirect Composition	0.451	0.407	0.483	0.417	0.381	0.412	0.413	0.469	0.486	0.447	0.409
	Indirect Composition	0.282	0.232	0.327	0.267	0.217	0.252	0.209	0.306	0.342	0.287	0.261
	Indirect Composition	0.357	0.281	0.402	0.364	0.250	0.307	0.276	0.403	0.390	0.358	0.361
	Indirect Composition	0.541	0.472	0.583	0.518	0.449	0.491	0.444	0.592	0.555	0.539	0.510
	Indirect Composition	0.410	0.377	0.433	0.377	0.353	0.395	0.361	0.411	0.447	0.415	0.367
	Indirect Composition	0.423	0.418	0.420	0.374	0.409	0.407	0.411	0.422	0.406	0.427	0.361
	Indirect Composition	0.367	0.326	0.378	0.358	0.323	0.331	0.295	0.391	0.353	0.378	0.352
	Indirect Composition	0.362	0.273	0.414	0.380	0.231	0.303	0.283	0.380	0.442	0.342	0.383
	Indirect Composition	0.358	0.301	0.369	0.371	0.270	0.326	0.297	0.359	0.371	0.364	0.369
	Indirect Composition	0.400	0.368	0.406	0.380	0.356	0.376	0.343	0.375	0.432	0.402	0.373
	Indirect Composition	0.269	0.212	0.285	0.290	0.195	0.212	0.227	0.251	0.316	0.228	0.298
	Indirect Composition	0.454	0.416	0.442	0.449	0.394	0.427	0.403	0.421	0.455	0.420	0.450

Level II, Form B: "True" Point Biserial Correlations of Items with Total Test, Part, and Component Scores

Item Sequence No.	Component	Total Test	Listening Comprehension	Language Usage and Indirect Composition	Idiomatic Expressions and Reading	Listening Comprehension			Language Usage and Indirect Composition		Idiomatic Expressions and Reading	
						Rejoinders	Short Conversations	Discourse	Language Usage	Indirect Composition	Idiomatic Expressions	Reading
	Idiomatic Expressions	0.476	0.480	0.437	0.437	0.482	0.394	0.430	0.460	0.402	0.469	0.429
	Idiomatic Expressions	0.608	0.565	0.590	0.594	0.531	0.526	0.555	0.572	0.594	0.641	0.584
	Idiomatic Expressions	0.586	0.594	0.537	0.536	0.609	0.446	0.522	0.554	0.507	0.566	0.528
	Idiomatic Expressions	0.303	0.265	0.277	0.335	0.242	0.285	0.263	0.262	0.285	0.345	0.331
	Idiomatic Expressions	0.453	0.432	0.467	0.403	0.418	0.352	0.421	0.426	0.497	0.437	0.395
	Reading	0.359	0.315	0.347	0.376	0.292	0.248	0.330	0.329	0.357	0.380	0.372
	Reading	0.463	0.407	0.442	0.490	0.388	0.513	0.397	0.443	0.431	0.476	0.488
	Reading	0.404	0.397	0.376	0.383	0.381	0.327	0.378	0.368	0.374	0.396	0.378
	Reading	0.547	0.474	0.562	0.551	0.437	0.551	0.481	0.545	0.566	0.546	0.547
	Reading	0.486	0.426	0.485	0.495	0.400	0.490	0.419	0.487	0.473	0.498	0.489
	Reading	0.353	0.288	0.337	0.403	0.260	0.428	0.286	0.344	0.323	0.348	0.409
	Reading	0.312	0.274	0.284	0.344	0.258	0.371	0.258	0.285	0.277	0.326	0.344
	Reading	0.371	0.292	0.365	0.425	0.260	0.357	0.299	0.353	0.368	0.403	0.425
	Reading	0.467	0.411	0.469	0.469	0.391	0.193	0.405	0.462	0.466	0.447	0.469
	Reading	0.478	0.380	0.498	0.519	0.335	0.530	0.379	0.487	0.498	0.496	0.518
	Reading	0.389	0.320	0.409	0.405	0.293	0.450	0.318	0.384	0.425	0.365	0.408
	Reading	0.483	0.423	0.468	0.508	0.386	0.374	0.413	0.448	0.477	0.482	0.509
	Reading	0.460	0.403	0.431	0.497	0.372	0.344	0.409	0.421	0.431	0.450	0.501
	Reading	0.458	0.400	0.473	0.453	0.353	0.362	0.410	0.450	0.485	0.447	0.450
	Reading	0.382	0.325	0.363	0.421	0.318	0.458	0.297	0.358	0.359	0.394	0.422
	Reading	0.464	0.433	0.448	0.453	0.407	0.505	0.424	0.449	0.436	0.446	0.449
	Reading	0.533	0.475	0.528	0.539	0.453	0.399	0.473	0.510	0.534	0.540	0.533
	Reading	0.415	0.327	0.407	0.481	0.289	0.556	0.345	0.408	0.397	0.403	0.491
	Reading	0.358	0.316	0.337	0.382	0.298	0.439	0.294	0.332	0.333	0.358	0.383
	Reading	0.149	0.149	0.134	0.141	0.135	0.503	0.164	0.136	0.128	0.119	0.143
	Reading	0.498	0.446	0.475	0.517	0.420	0.326	0.436	0.470	0.469	0.498	0.515
	Reading	0.437	0.385	0.398	0.481	0.370	0.370	0.365	0.407	0.380	0.451	0.482
	Reading	0.348	0.306	0.325	0.376	0.292	0.289	0.275	0.334	0.308	0.378	0.372
	Reading	0.414	0.361	0.375	0.460	0.344	0.377	0.343	0.387	0.352	0.411	0.465
	Reading	0.367	0.321	0.352	0.389	0.317	0.155	0.316	0.348	0.347	0.354	0.391
	Reading	0.387	0.347	0.340	0.429	0.331	0.452	0.332	0.352	0.318	0.383	0.434
	Reading	0.466	0.417	0.427	0.500	0.400	0.374	0.396	0.438	0.404	0.470	0.501
	Reading	0.410	0.363	0.383	0.438	0.351	0.233	0.356	0.391	0.366	0.413	0.439
	Reading	0.421	0.386	0.374	0.451	0.366	0.278	0.384	0.386	0.353	0.427	0.451
	Reading	0.306	0.256	0.276	0.355	0.234	0.261	0.279	0.275	0.270	0.290	0.363

Table A 12

References

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About the author

Dr. Gary Marco was the Executive Director for College Board Statistical Analysis Area for over 20 years at ETS. He also served on the team that designed and produced the new test creation system at ETS. He has conducted research and published numerous articles related to educational measurement, applied statistics, and psychometrics. Currently, he serves as a private consultant to the educational measurement community.



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