The Development of CBM Vocabulary Measures:

Grade 3

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Abstract

In this technical report, we describe the development and piloting of a series of vocabulary assessments intended for use with students in grades two through eight. These measures, available as part of easyCBM^{TM}, an online progress monitoring and benchmark/screening assessment system, were developed in 2010 and administered to approximately 1200 students per grade from schools across the United States in the spring of 2011 using a common item design to allow all items to be estimated on the same scale within each grade level. We analyzed the results of the piloting using a one parameter logistic (1PL) Rasch analysis. Because the results of these analyses are quite lengthy, we present the results for each grade's analysis in its own technical report, all sharing a common abstract and introduction but unique methods, results, and discussion sections.

The Development of CBM Vocabulary Measures: Grade 3 (Technical Report 1210)

CBM assessments are a key component of many school improvement efforts, including the Response to Intervention (RTI) approach to meeting students' academic needs. In an RTI approach, teachers first administer a screening or benchmarking assessment to identify students who need supplemental interventions to meet grade-level expectations, then use a series of progress monitoring measures to evaluate the effectiveness of the interventions they provide the students. When students fail to show expected levels of progress (as indicated by 'flat line scores' or little improvement on repeated measures over time), teachers use this information to help them make instructional modifications with the goal of finding an intervention or combination of instructional approaches that will enable each student to make adequate progress toward achieving grade level proficiency and mastering content standards (McMaster, Fuchs, D., Fuchs, L.S., & Compton). In such a system, it is critical to have reliable measures that assess the target construct and are sensitive enough to detect improvement in skill over short periods of time. Because the term is relevant to our item writing efforts, we first provide a brief synthesis of the literature on 'universal design for assessment' before we describe the actual methods used in item creation, piloting, and evaluation.

Universal Design for Assessment

Universal Design for Assessment (UDA) is an approach to creating assessments in which test developers try to make their measures accessible to the widest possible population of students by incorporating design features that will reduce the barriers to students being able to interface successfully with the test items. In creating our mathematics items, we referred to both the National Center on Educational Outcomes' *A State Guide to the Development of Universally Designed Assessment* (Johnstone, Altman, & Thurlow, 2006) and the *Test Accessibility and*

Modification Inventory by Beddow, Kettler, and Elliott (2008).

Assessments that are universally designed encourage testing conditions that are accessible and fair to students with special needs as well as to those in the general education population. Universally designed assessments should: (a) measure true constructs while eliminating irrelevant ones, (b) recognize the diversity of the test-taker population, (c) be both concise and clear in their language, (d) have clear format and visual information, and (e) include the ability to change formatting without compromising the meaning or difficulty of the assessment results. Universally designed assessments aim to provide valid interpretation of all test-takers' abilities and skills, including those with disabilities (Johnstone, Altman, & Thurlow, 2006).

The principles of universal design for assessment guided our item creation efforts. In addition, we sought to reduce the cognitive complexity of our items by reducing the language and working memory load required to answer the test questions, and by consciously attempting to reduce the chance that extraneous information provided in the question stem or answer choices would confuse students. Our goal was to create vocabulary items that would be appropriate for use with students with a wide range of ability in the targeted construct as well as for English language learners.

Germane to our work here, it is important to emphasize that in an RTI model students are expected to be assessed on grade-level content standards, but the achievement standards set for students receiving intensive intervention assistance may not be as high as those set for students from the general education population. Thus, in developing our vocabulary item bank, we sought to create items that would appropriately target the grade-level content standards yet would do so in a way that would render them accessible to a wider range of student ability than might be

typically expected of assessment items. Our focus on reducing the cognitive and linguistic complexity of items as well as on designing the computer interface and features of the items themselves to reduce the impact of construct irrelevant barriers to student understanding was intended to provide a bank of items from which we could draw vocabulary problems representing a wide range of difficulty yet all aligned to grade-level content standards.

Methods

In this technical report, we explain the development of vocabulary CBMs designed for use with students in grades 2-8. This development included three key steps: (a) creating an item bank, (b) piloting all items in the item bank to determine their difficulty, reliability, and appropriateness for use with the intended grade level, and (c) organizing the items into a series of benchmark and progress monitoring assessments. We begin by describing the process of item creation, including background about the item specifications and guidance given to item writers during the development of the individual vocabulary items. Then, we explain the piloting of the vocabulary items. We outline the process we used to create multiple comparable alternate forms of progress monitoring and benchmarking assessments using the item bank information.

Item Development

We used the Oregon State Standards for Vocabulary as the basis for our item creation. All items were written to target one sub-domain within a particular Vocabulary Standard, with item-writers specifically referencing the intended sub-domain in the item database during item writing.

Item writer qualifications. Eight item writers were recruited from across Oregon and California. These individuals had experience in teaching and English language arts. Five of the item writers had worked extensively with students in Special Education programs and were

familiar with their educational needs. Specific background information is provided about each of the item writers. Item writer #1 had a Master's degree in Special Education. She had taught pre-Kindergarten through 5th grade and had completed 2.5 years of research work in assessment. Item writer #2 had the following qualifications: BS in Elementary Education with a Reading Endorsement; work experience with students in kindergarten and elementary grades and preschoolers with special needs; teaching experience as a substitute teacher and tutor for adults. Item writer #3 had also consulted and developed curriculum professionally. Item writer #3 had extensive experience tutoring students with disabilities and working with students in grades K-8. Item writer #4 had a BA in Health Education, a Master's of Arts in Teaching (K-8 Elementary Endorsement), and additional university credits for math education. She had 13 years experience teaching students in first through fourth grade.

Item writer #5 was a retired middle school teacher who had taught students with special needs. She had a BS in Elementary Education with a Reading Endorsement (K-12) and had 25 years of teaching experience. Item writer #6 held a Master's degree in Special Education and a BA in Developmental Psychology. Her experiences included: working as a Special Education teacher and Program Coordinator for a social service program; eight years of supporting individuals with developmental disabilities; and designing functional academic curricula in mathematics, reading, and social skills.

Item writer #7, a fifth-year Ph.D. candidate in developmental psychology, had a Bachelor's and a Master's degree also in developmental psychology. While item writer #7 had completed relevant coursework such as statistics, research methods, developmental psychology, language acquisition, linguistics, and social cognition, she had also taught undergraduate-level courses including Child Development, Cognitive Development, and Language Acquisition.

Finally, item writer #8 received a BA in Humanities with a concentration in Education and a Master's in Special Education. He had 3 years of experience teaching English in grades K-16 and was working in a research organization on projects related to assessments at the time he was writing mathematics items for this project. All item writers started the writing process in October 2008. The item bank was completed in May 2009.

   Guidance given to item writers. Item writers were informed that the goal of this project was to create vocabulary items that would be appropriate for students struggling in grade-level reading materials in addition to items that would be appropriate for students who were performing at grade level expectations. In describing this student population, they were told to picture students with very low academic performance, who receive special education services, and who would also likely receive significant support in the general education classrooms. In addition, they were instructed to write some items that would be appropriate for students who were successfully working at grade-level expectations. In other words, they were asked to write items that covered a range of student ability and skill level.

   Item writers were provided specific guidelines on how they should approach the item writing process. Two major points were emphasized: (a) the importance of writing items that reduced the cognitive complexity of the tasks, and (b) the need to preserve the integrity of the items by connecting them to grade-level content standards. Although the item-writers were told that researchers are still operationally defining the meaning of 'reducing cognitive complexity', they were given some basic ideas to consider while completing the item-writing tasks.

   They were strongly encouraged to use simple language (short words and declarative sentences). The emphasis on simple language was designed to reduce the chance that words would present a barrier to is assessing students' ability to demonstrate their vocabulary

knowledge. The overall goal in item writing was to focus students' attention on a single idea.

Therefore, it was essential for item writers to: (a) have in-depth understanding of the material,

(b) spend time thinking of their audience, (c) be clear and concise in their writing, and (d) avoid

irrelevant language and clues when writing the items.

Other specific guidelines provided to item writers included the following: (a) keep

grammar structure parallel between a question and each answer option; (b) keep answer options

similar in length and complexity levels; and (c) ensure that all answer choices are mutually

exclusive.

To increase the alignment between items in consecutive grade levels, the year-long task

of writing approximately 800 items per grade level was divided into 40 sets, 20 per three-grade

span. Each set of items included 20 vocabulary words per grade (60 total per set). Thus, for each

set of items, each item writer wrote vocabulary problems addressing similar Vocabulary

Standards for three grades. Item writers completed their work on separate Excel files that were

pre-formatted and named by the researchers. Item writers were encouraged to write items so that

the difficulty level progressed smoothly from grade to grade. They were asked to create multiple-

choice test items with three answer choices to address the Standards.

Although examples of test items were given, item writers were given the freedom to

devise comparable questions that met the Standards. Because copies of the general and specific

Standards were provided to the item writers, they were expected to study and understand the

Standards' requirements. Item writers were reminded of the importance of producing items that

met the Standards with the following characteristics: (a) items should be simple, direct, and in

the most basic form of the Standard requirements; (b) complexity should be reduced whenever

possible; (c) items should use vocabulary, background knowledge and topics appropriate for

students in the target grade level; and (d) the language should be simple, avoiding use of idioms, long words, passive voice, and unnecessary clauses. Item writers were provided the EDL Core Vocabulary list as a reference for determining appropriate grade-level words to use in items and distractors. Finally, researchers stressed the importance of creating original items, although item writers were given print and online resources as sources of inspiration, ideas, or information.
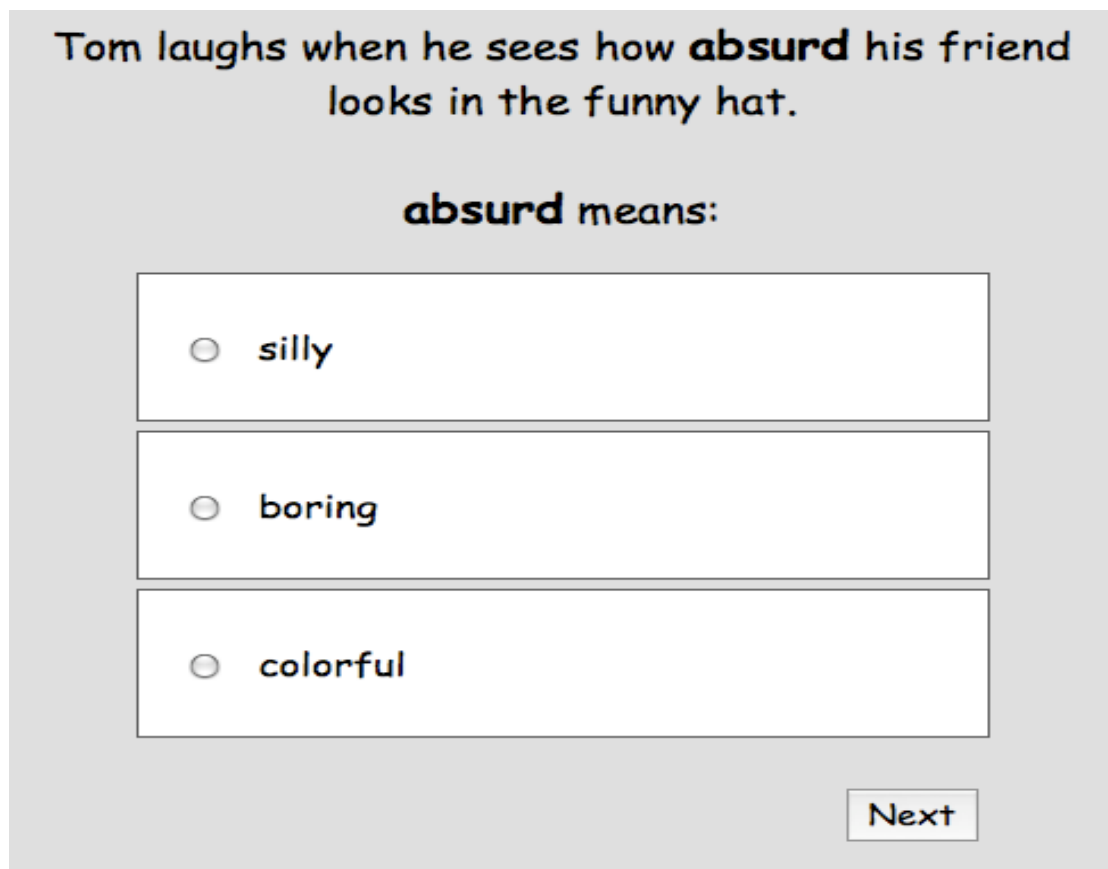
In writing the distractors, item writers were reminded to maintain three answer choices that were similar in length and complexity level, differing only in content. When constructing incorrect choices, they were informed that these distractors should be relevant to the sentence. Item writers were requested to use related words or concepts in the distractors, so that each answer choice appeared to be a relevant option.

Design of computer interface. Because these items were designed specifically for use in online computer delivered assessments, the research team worked closely with the computer programmer to ensure that the items would be able to be displayed appropriately in an online testing environment. The computer programmer provided guidance in the original item writing specifications, assisting with the development of computer code to enable a reliable and efficient transfer of the items from the Excel files provided by the item writers to the computer database and subsequent online display of the items.

Items were designed to be displayed one at a time on the screen, with a sentence in which the target vocabulary word is bolded appearing in the center of the screen and the three answer options below, but also displayed on the same screen (see Figure 1). Students select their answer by clicking anywhere in the large rectangular area corresponding with the answer option they want to pick. Once they are satisfied with their response, they click the "Next" button at the bottom right corner of their screen, and the computer displays the next item.

The size of the question stem and answer options is optimized for display without requiring any 'scrolling' to view all parts of the question and all possible answer options. However, should they need to enlarge the text to enable them to read it better, students are able to magnify the size of the display by adjusting their computer's view to zoom in. The program is designed to be compatible with Firefox, Safari (on a Mac Operating System), and Internet Explorer (on a Windows Operating System).

Each time a question is displayed, the computer randomizes the order of the answer options. Thus, even when two students are looking at the same question at the same time, it is likely that the answer options will appear in a different order on the bottom of their screen. This random display feature built into the programming helps reduce the impact of cheating.

Figure 1
Sample Question Illustrating Computer Display of Item

Item Review Process

A team of six researchers reviewed all items beginning June 2009. These researchers all had experience with assessment and item creation. Two of the researchers had earned doctorates in education, one with an emphasis on assessments. One of the researchers had a Master's in Special Education and had participated in a special program throughout his graduate studies focused on educational assessments. He had been the primary contact for the item writers for the previous year and was very familiar with the project. Of the remaining three researchers, one was a Ph.D. student in Educational Leadership, one was a Master's student in Speech Language Pathology, and one was a full-time research assistant at a research institute at the university where this research was conducted.

During the item review process, the researchers studied specific aspects of the items, including general clarity and alignment with the standards, formatting, wording, and answer choices. Researchers reviewed the items individually and as a group. Each researcher spent on average ten hours per week from June to August 2009 reviewing items individually. Beginning in July and continuing for the next several months, the team met regularly as a group in 2-3 hour meetings, several days per week. During group reviews, the team focused primarily on standardizing formats, verifying answer choices, and identifying errors. As errors were found, they were corrected, resulting in approximately 5600 items to be piloted in school year 2010/2011.

Item Piloting

Districts interested in participating in the piloting were provided a letter of introduction that described the piloting process and explained that to protect confidentiality, no identifying information would be collected on students, teachers, schools, or districts participating in the

piloting. Districts that opted to participate in the piloting agreed to have their students complete a

series of pilot test items (which included both 20 vocabulary items and 15 short passage reading

items in conjunction with their spring 2011 benchmark assessments. In these districts, students

first completed the pilot items and then were administered their regular benchmark assessments.

Because all assessments were administered by computer, the order in which the assessments

were administered was controlled by the online piloting system. In all cases, students were

administered a series of anchor items (5 vocabulary items) then 15 additional vocabulary items,

randomly selected by the computer from the larger database of grade-level vocabulary items,

then another series of anchor items (5 short reading passage items), followed by an additional 10

short reading passage items, again drawn randomly by the computer program from the larger

database of grade-level short reading passage items. Upon completion of all pilot items, students

were administered their regular spring benchmark assessments in reading.

These anchor items, selected for their range of difficulty and coverage of a variety of

standards within a grade level, were kept constant to allow for calibrating all items within a

grade level to the same scale. In keeping with Kolen and Brennan's (2004) recommendation,

these anchor items always appeared in the same order and place on each test.

Data Analysis

To analyze the items, we used a 1PL Rasch model and the software Winsteps (Linacre,

2006). We chose the one parameter model rather than a more complicated one for our analysis

out of a desire for parsimony and because it appears to fit the data quite well. Key item

parameters we analyzed include *Mean Square Outfit* (items falling outside the desired range of

0.50 to 1.50 were examined in greater detail before being retained in the item bank for future use,

Standard Error of Measure, and *Measure* (an estimate of the item's difficulty). In addition to

these item parameters, we also analyzed how the distractors functioned. In all cases, we sought to

retain for our item bank items where students with the highest average estimated ability selected

the correct answer choice, while students with lower average estimated ability selected the two

other answer choices. We also sought items with a wide range of difficultly, cognizant of the

need to have enough items to use for assessments designed for use with students receiving

special education assistance as well as with students from the general education population.

Results

Data from each grade level were analyzed separately. The results of these analyses are

reported separately by grade, each in its own technical report. Although no items were

specifically written for use in grade 3, a number of extremely easy items were identified through

the piloting process and were thus organized into vocabulary measures appropriate for students

in third grade.

Of the Grade 3 items, 107 were over-fit (Mean Square Outfit ranging from 0.08 to 0.49

with an average Mean Square Outfit of 0.37). Of these, 90 items were retained for the item bank

because distractor analysis indicated that they were functioning appropriately (students with the

highest average estimated ability selected the correct answer choice, while students with lower

estimated ability selected distractors). In addition to the over-fit items, 26 items were under-fit

(Mean Square Outfit ranging from 1.52 to 3.13with an average Mean Square Outfit of 1.92).

Because distractor analysis indicated that all under-fit items were not functioning appropriately,

all under-fit items were removed from the Grade 3 item bank. In all, 43 items were removed

from the Grade 3 item bank because distractor analysis indicated that the correct answer choice

was not selected by the students with the highest average estimated ability. Table 1 presents the

results of the Rasch analysis for the Grade 3 items, while Table 2 presents the results of

distractor analysis.

Discussion

We used the results of the Rasch analysis to select items from the item bank to use in the

creation of ten alternate forms of progress monitoring measures and three benchmark screener

forms appropriate for use with students in third grade, resulting in a total of 13 third-grade

vocabulary measures. Each form of the measures was comprised of 20 items, and all alternate

forms are designed to be of comparable difficulty, as determined by calculating the mean

measure of the items on each form.

Mean measure of forms 1 – 10 of the Vocabulary progress monitoring measures range

from -0.08 to -0.03, with an average of -0.06 across all ten forms. Mean measure of the

Vocabulary Benchmark measures range from -0.07 to -0.06, with an average of -0.06 across all

three forms. Table 3 lists information about each of the alternate forms of the vocabulary

measures for third grade.

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Table 1a
Item Information and Statistics, Gr3Vocab1 (Mean Measure = -0.07)

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
1	Vocab_Item_35781	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.55	94	0.48	0.43	1.11
2	Vocab_Item_35734	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.39	94	0.46	1.45	1.07
3	Vocab_Item_35692	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.76	95	0.37	0.55	1.17
4	Vocab_Item_35014	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.73	94	0.36	0.70	1.12
5	Vocab_Item_35334	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.03	95	0.29	0.57	1.33
6	Vocab_Item_35415	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.01	94	0.32	0.90	0.98
7	Vocab_Item_35776	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.80	94	0.27	0.91	1.10
8	Vocab_Item_35868	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.93	95	0.26	0.74	1.34
9	Vocab_Item_35508	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.21	94	0.44	0.25	1.24
10	Vocab_Item_35859	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.98	94	0.40	0.44	1.18

Table 1a
Item Information and Statistics, Gr3Vocab1 (Mean Measure = -0.07) Cont.

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
11	Vocab_Item_35603	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.47	94	0.33	0.74	1.03
12	Vocab_Item_35768	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.36	94	0.34	0.77	1.12
13	Vocab_Item_35694	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.16	94	0.31	0.81	1.21
14	Vocab_Item_35196	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.50	95	0.28	1.22	0.76
15	Vocab_Item_35462	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	1.02	94	0.25	1.21	0.56
16	Vocab_Item_35455	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	1.51	94	0.26	0.80	1.37
17	Vocab_Item_35813	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	2.11	94	0.25	1.01	1.02
18	Vocab_Item_35604	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.30	94	0.29	0.89	1.03
19	Vocab_Item_35013	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.32	94	0.33	1.27	1.07
20	Vocab_Item_35737	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.93	95	0.40	0.32	1.24

Table 1b
Item Information and Statistics, Gr3Vocab2 (Mean Measure = -0.05)

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
1	Vocab_Item_35781	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.55	94	0.48	0.43	1.11
2	Vocab_Item_35275	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-1.54	95	0.49	0.40	1.09
3	Vocab_Item_35692	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.76	95	0.37	0.55	1.17
4	Vocab_Item_35735	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.76	93	0.34	0.51	1.22
5	Vocab_Item_35334	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.03	95	0.29	0.57	1.33
6	Vocab_Item_35237	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.03	94	0.30	0.55	1.28
7	Vocab_Item_35776	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.80	94	0.27	0.91	1.10
8	Vocab_Item_35641	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.81	94	0.27	0.53	1.60
9	Vocab_Item_35874	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.24	93	0.39	0.32	1.25
10	Vocab_Item_35367	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-1.07	95	0.39	0.27	1.31

Table 1b
Item Information and Statistics, Gr3Vocab2 (Mean Measure = -0.05) Cont.

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
11	Vocab_Item_35784	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.46	95	0.36	0.55	1.20
12	Vocab_Item_35861	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.36	94	0.33	0.63	1.21
13	Vocab_Item_35647	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.18	94	0.30	1.04	1.00
14	Vocab_Item_35678	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.51	94	0.29	0.93	1.00
15	Vocab_Item_35011	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	1.08	94	0.26	1.30	0.57
16	Vocab_Item_35139	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	1.68	94	0.25	0.85	1.26
17	Vocab_Item_35464	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	2.41	94	0.26	1.23	0.71
18	Vocab_Item_35366	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.35	94	0.30	0.75	1.12
19	Vocab_Item_35375	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.24	94	0.33	0.82	1.12
20	Vocab_Item_35506	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.80	95	0.36	0.63	1.12

Table 1c
Item Information and Statistics, Gr3Vocab3 (Mean Measure = -0.06)

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
1	Vocab_Item_35275	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-1.54	95	0.49	0.40	1.09
2	Vocab_Item_35183	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-1.51	94	0.49	0.37	1.17
3	Vocab_Item_35735	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.76	93	0.34	0.51	1.22
4	Vocab_Item_35376	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.76	95	0.36	0.34	1.33
5	Vocab_Item_35237	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.03	94	0.30	0.55	1.28
6	Vocab_Item_35552	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.02	95	0.32	0.80	1.07
7	Vocab_Item_35641	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.81	94	0.27	0.53	1.60
8	Vocab_Item_35234	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.82	95	0.28	1.18	0.70
9	Vocab_Item_35149	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.22	94	0.37	0.58	1.11
10	Vocab_Item_35191	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.97	94	0.39	0.60	1.18

Table 1c
Item Information and Statistics, Gr3Vocab3 (Mean Measure = -0.06) Cont.

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
11	Vocab_Item_35875	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.54	95	0.36	1.25	0.96
12	Vocab_Item_35634	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.41	93	0.32	1.00	1.05
13	Vocab_Item_35499	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.19	94	0.29	0.70	1.16
14	Vocab_Item_35236	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.55	95	0.30	1.40	0.52
15	Vocab_Item_35050	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	1.09	94	0.25	1.06	0.85
16	Vocab_Item_35062	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	1.58	95	0.25	1.18	0.64
17	Vocab_Item_35423	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	2.27	95	0.25	1.04	1.01
18	Vocab_Item_35228	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.32	94	0.28	1.12	0.99
19	Vocab_Item_35361	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.23	94	0.32	0.79	1.08
20	Vocab_Item_35016	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.79	95	0.36	0.40	1.26

Table 1d
Item Information and Statistics, Gr3Vocab4 (Mean Measure = -0.06)

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
1	Vocab_Item_35183	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-1.51	94	0.49	0.37	1.17
2	Vocab_Item_35100	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-1.50	94	0.48	0.38	1.12
3	Vocab_Item_35376	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.76	95	0.36	0.34	1.33
4	Vocab_Item_35098	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.75	94	0.38	0.44	1.21
5	Vocab_Item_35552	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.02	95	0.32	0.80	1.07
6	Vocab_Item_35825	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.02	94	0.31	0.74	1.09
7	Vocab_Item_35234	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.82	95	0.28	1.18	0.70
8	Vocab_Item_35554	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.82	94	0.27	0.85	1.11
9	Vocab_Item_35512	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.22	95	0.45	0.53	1.08
10	Vocab_Item_35725	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-1.10	94	0.36	0.84	1.04

Table 1d
Item Information and Statistics, Gr3Vocab4 (Mean Measure = -0.06) Cont.

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
11	Vocab_Item_35463	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.54	93	0.35	1.44	1.00
12	Vocab_Item_35588	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.41	95	0.33	0.72	1.09
13	Vocab_Item_35288	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.19	95	0.30	0.68	1.17
14	Vocab_Item_35065	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.56	94	0.28	1.15	0.76
15	Vocab_Item_35769	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	1.10	94	0.27	0.95	1.07
16	Vocab_Item_35587	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	1.58	95	0.26	0.88	1.17
17	Vocab_Item_35723	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	2.32	94	0.25	1.24	0.70
18	Vocab_Item_35501	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.33	94	0.31	0.87	1.13
19	Vocab_Item_35227	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.23	94	0.33	0.55	1.21
20	Vocab_Item_35142	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.79	94	0.35	0.40	1.33

Table 1e
Item Information and Statistics, Gr3Vocab5 (Mean Measure = -0.06)

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
1	Vocab_Item_35100	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-1.50	94	0.48	0.38	1.12
2	Vocab_Item_35109	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.50	94	0.50	0.26	1.16
3	Vocab_Item_35098	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.75	94	0.38	0.44	1.21
4	Vocab_Item_35242	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.74	95	0.37	1.34	1.01
5	Vocab_Item_35825	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.02	94	0.31	0.74	1.09
6	Vocab_Item_35332	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.01	93	0.31	0.93	1.00
7	Vocab_Item_35554	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.82	94	0.27	0.85	1.11
8	Vocab_Item_35095	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.84	94	0.27	1.02	0.88
9	Vocab_Item_35507	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.22	95	0.50	0.36	1.15
10	Vocab_Item_35002	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-1.00	94	0.45	0.56	1.04

Table 1e
Item Information and Statistics, Gr3Vocab5 (Mean Measure = -0.06) Cont.

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
11	Vocab_Item_35648	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.47	94	0.35	0.67	1.09
12	Vocab_Item_35110	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.36	94	0.33	0.76	1.10
13	Vocab_Item_35285	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.16	94	0.32	0.44	1.40
14	Vocab_Item_35152	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.50	94	0.29	0.83	1.09
15	Vocab_Item_35511	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	1.03	94	0.27	0.91	1.15
16	Vocab_Item_35586	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	1.54	94	0.26	1.39	0.75
17	Vocab_Item_35864	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	2.14	95	0.25	0.91	1.20
18	Vocab_Item_35503	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.31	94	0.28	1.46	0.60
19	Vocab_Item_35046	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.22	95	0.32	0.98	1.14
20	Vocab_Item_35239	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.78	95	0.37	0.63	1.11

Table 1f
Item Information and Statistics, Gr3Vocab6 (Mean Measure = -0.03)

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
1	Vocab_Item_35109	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.50	94	0.50	0.26	1.16
2	Vocab_Item_35374	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.47	94	0.46	0.87	1.09
3	Vocab_Item_35242	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.74	95	0.37	1.34	1.01
4	Vocab_Item_35379	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.74	95	0.35	0.57	1.14
5	Vocab_Item_35332	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.01	93	0.31	0.93	1.00
6	Vocab_Item_35422	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.01	94	0.33	0.73	1.16
7	Vocab_Item_35095	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.84	94	0.27	1.02	0.88
8	Vocab_Item_35054	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.85	95	0.27	1.45	0.58
9	Vocab_Item_35598	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.25	95	0.42	0.32	1.24
10	Vocab_Item_35470	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.10	94	0.41	0.51	1.11

Table 1f
Item Information and Statistics, Gr3Vocab6 (Mean Measure = -0.03) Cont.

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
11	Vocab_Item_35380	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.54	93	0.35	0.76	1.18
12	Vocab_Item_35318	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.38	96	0.34	0.87	1.03
13	Vocab_Item_35424	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.21	94	0.28	0.79	1.11
14	Vocab_Item_35816	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.58	94	0.27	1.25	0.83
15	Vocab_Item_35005	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	1.13	93	0.26	1.05	0.84
16	Vocab_Item_35722	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	1.69	94	0.25	1.30	0.83
17	Vocab_Item_35138	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	2.42	95	0.25	1.17	0.83
18	Vocab_Item_35597	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.35	95	0.29	0.65	1.30
19	Vocab_Item_35683	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.22	103	0.32	0.60	1.20
20	Vocab_Item_35286	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.78	94	0.37	0.58	1.12

Table 1g
Item Information and Statistics, Gr3Vocab7 (Mean Measure = -0.04)

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
1	Vocab_Item_35374	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.47	94	0.46	0.87	1.09
2	Vocab_Item_35732	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.47	94	0.47	0.35	1.20
3	Vocab_Item_35379	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.74	95	0.35	0.57	1.14
4	Vocab_Item_35047	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.74	95	0.39	0.56	1.15
5	Vocab_Item_35422	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.01	94	0.33	0.73	1.16
6	Vocab_Item_35281	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.01	95	0.30	0.72	1.14
7	Vocab_Item_35054	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.85	95	0.27	1.45	0.58
8	Vocab_Item_35243	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.85	95	0.26	1.03	1.02
9	Vocab_Item_35649	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.28	94	0.44	0.48	1.15
10	Vocab_Item_35560	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.06	95	0.39	0.37	1.24

Table 1g
Item Information and Statistics, Gr3Vocab7 (Mean Measure = -0.04) Cont.

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
11	Vocab_Item_35823	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.52	94	0.33	0.50	1.26
12	Vocab_Item_35004	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.40	93	0.34	0.68	1.06
13	Vocab_Item_35726	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.20	91	0.31	0.63	1.22
14	Vocab_Item_35053	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.56	95	0.28	1.08	0.92
15	Vocab_Item_35363	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	1.10	94	0.26	0.64	1.65
16	Vocab_Item_35235	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	1.60	95	0.24	1.26	0.44
17	Vocab_Item_35144	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	2.33	95	0.26	1.45	0.81
18	Vocab_Item_35324	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.35	94	0.29	0.98	0.96
19	Vocab_Item_35189	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.23	94	0.34	0.84	1.00
20	Vocab_Item_35504	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.79	94	0.39	0.42	1.19

Table 1h
Item Information and Statistics, Gr3Vocab8 (Mean Measure = -0.08)

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
1	Vocab_Item_35732	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.47	94	0.47	0.35	1.20
2	Vocab_Item_35636	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-1.44	94	0.43	0.26	1.26
3	Vocab_Item_35047	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.74	95	0.39	0.56	1.15
4	Vocab_Item_35596	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.74	94	0.39	0.41	1.27
5	Vocab_Item_35281	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.01	95	0.30	0.72	1.14
6	Vocab_Item_35599	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.00	94	0.31	0.54	1.30
7	Vocab_Item_35243	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.85	95	0.26	1.03	1.02
8	Vocab_Item_35592	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.86	94	0.28	1.06	0.87
9	Vocab_Item_35197	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.27	95	0.42	0.40	1.23
10	Vocab_Item_35106	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.10	95	0.40	0.47	1.15

Table 1h
Item Information and Statistics, Gr3Vocab8 (Mean Measure = -0.08) Cont.

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
11	Vocab_Item_35103	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.51	94	0.34	0.38	1.35
12	Vocab_Item_35774	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.39	94	0.35	0.67	1.16
13	Vocab_Item_35782	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.21	91	0.28	1.26	0.67
14	Vocab_Item_35097	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.57	93	0.27	0.94	1.01
15	Vocab_Item_35052	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	1.11	94	0.26	0.93	1.15
16	Vocab_Item_35412	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	1.43	94	0.25	1.06	0.84
17	Vocab_Item_35541	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	1.92	3814	0.04	1.31	0.61
18	Vocab_Item_35677	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.27	94	0.28	0.94	1.00
19	Vocab_Item_35452	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.30	94	0.34	0.82	1.10
20	Vocab_Item_35815	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.91	94	0.39	0.72	1.00

Table 1i
Item Information and Statistics, Gr3Vocab9 (Mean Measure = -0.07)

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
1	Vocab_Item_35636	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-1.44	94	0.43	0.26	1.26
2	Vocab_Item_35190	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-1.42	95	0.45	0.58	1.03
3	Vocab_Item_35596	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.74	94	0.39	0.41	1.27
4	Vocab_Item_35014	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.73	94	0.36	0.70	1.12
5	Vocab_Item_35599	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.00	94	0.31	0.54	1.30
6	Vocab_Item_35457	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.01	94	0.31	1.26	0.78
7	Vocab_Item_35592	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.86	94	0.28	1.06	0.87
8	Vocab_Item_35545	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.86	94	0.27	1.00	1.01
9	Vocab_Item_35371	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.29	94	0.45	0.27	1.22
10	Vocab_Item_35151	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.99	93	0.45	1.05	1.08

Table 1i
Item Information and Statistics, Gr3Vocab9 (Mean Measure = -0.07) Cont.

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
11	Vocab_Item_35181	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.50	95	0.33	0.55	1.23
12	Vocab_Item_35857	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.38	95	0.31	1.08	0.83
13	Vocab_Item_35467	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.21	94	0.28	0.90	0.95
14	Vocab_Item_35453	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.58	94	0.26	1.27	0.70
15	Vocab_Item_35154	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	1.12	95	0.27	1.08	1.23
16	Vocab_Item_35049	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	1.44	94	0.24	1.18	0.51
17	Vocab_Item_35865	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	2.02	94	0.25	0.91	1.14
18	Vocab_Item_35417	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.27	94	0.31	0.51	1.40
19	Vocab_Item_35681	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.29	95	0.33	0.51	1.29
20	Vocab_Item_35290	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.90	94	0.40	1.44	0.92

Table 1j
Item Information and Statistics, Gr3Vocab10 (Mean Measure = -0.05)

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
1	Vocab_Item_35190	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-1.42	95	0.45	0.58	1.03
2	Vocab_Item_35814	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-1.42	94	0.41	0.72	0.93
3	Vocab_Item_35642	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.73	94	0.38	0.47	1.19
4	Vocab_Item_35642	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.73	94	0.38	0.47	1.19
5	Vocab_Item_35457	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.01	94	0.31	1.26	0.78
6	Vocab_Item_35650	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.01	94	0.29	0.95	1.11
7	Vocab_Item_35545	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.86	94	0.27	1.00	1.01
8	Vocab_Item_35600	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.87	94	0.28	0.83	1.14
9	Vocab_Item_35632	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-1.30	95	0.43	0.47	1.10
10	Vocab_Item_35274	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-1.08	94	0.39	0.91	0.94

Table 1j
Item Information and Statistics, Gr3Vocab10 (Mean Measure = -0.05) Cont.

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
11	Vocab_Item_35646	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.47	94	0.33	0.62	1.21
12	Vocab_Item_35150	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.36	95	0.34	0.58	1.17
13	Vocab_Item_35364	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.19	95	0.29	1.02	1.08
14	Vocab_Item_35056	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.52	94	0.28	1.07	0.78
15	Vocab_Item_35136	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	1.09	93	0.25	1.27	0.91
16	Vocab_Item_35502	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	1.62	94	0.24	1.12	0.95
17	Vocab_Item_35145	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	2.35	93	0.26	1.12	1.16
18	Vocab_Item_35858	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.35	95	0.29	0.92	1.05
19	Vocab_Item_35505	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.33	91	0.35	0.76	1.07
20	Vocab_Item_35370	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.93	94	0.41	0.51	1.16

Table 1k
Item Information and Statistics, Gr3Vocab Benchmark 1 (Mean Measure = -0.07)

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
1	Vocab_Item_35814	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-1.42	94	0.41	0.72	0.93
2	Vocab_Item_35244	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.40	94	0.46	0.43	1.11
3	Vocab_Item_35496	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.72	95	0.37	0.82	1.13
4	Vocab_Item_35496	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.72	95	0.37	0.82	1.13
5	Vocab_Item_35650	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.01	94	0.29	0.95	1.11
6	Vocab_Item_35415	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.01	94	0.32	0.90	0.98
7	Vocab_Item_35600	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.87	94	0.28	0.83	1.14
8	Vocab_Item_35323	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.89	94	0.26	1.15	0.86
9	Vocab_Item_35866	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.30	94	0.47	0.83	1.08
10	Vocab_Item_35059	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.06	94	0.39	0.26	1.30

Table 1k
Item Information and Statistics, Gr3Vocab Benchmark 1 (Mean Measure = -0.07) Cont.

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
11	Vocab_Item_35057	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.49	94	0.35	0.80	1.11
12	Vocab_Item_35051	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.36	94	0.33	0.88	1.04
13	Vocab_Item_35419	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.16	94	0.30	0.87	1.04
14	Vocab_Item_35869	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.47	95	0.30	0.49	1.46
15	Vocab_Item_35451	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	1.01	93	0.26	0.81	1.21
16	Vocab_Item_35544	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	1.48	95	0.25	0.95	1.04
17	Vocab_Item_35817	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	2.06	95	0.25	1.10	1.03
18	Vocab_Item_35058	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.28	94	0.30	0.41	1.57
19	Vocab_Item_35280	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.28	95	0.34	0.71	1.26
20	Vocab_Item_35194	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.87	95	0.35	1.02	0.94

Table 11

Item Information and Statistics, Gr3Vocab Benchmark 2 (Mean Measure = -0.06)

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
1	Vocab_Item_35244	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.40	94	0.46	0.43	1.11
2	Vocab_Item_35003	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-1.39	94	0.43	0.58	1.08
3	Vocab_Item_35232	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.71	3913	0.06	1.07	1.01
4	Vocab_Item_35232	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.71	3913	0.06	1.07	1.01
5	Vocab_Item_35811	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.02	94	0.32	1.16	0.92
6	Vocab_Item_35811	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.02	94	0.32	1.16	0.92
7	Vocab_Item_35323	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.89	94	0.26	1.15	0.86
8	Vocab_Item_35605	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.91	95	0.26	1.04	0.91
9	Vocab_Item_35631	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-1.31	93	0.47	0.47	1.04
10	Vocab_Item_35373	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.02	93	0.42	0.45	1.16

Table 11

Item Information and Statistics, Gr3Vocab Benchmark 2 (Mean Measure = -0.06) Cont.

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
11	Vocab_Item_35820	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.49	95	0.34	0.57	1.22
12	Vocab_Item_35731	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.38	95	0.34	0.72	1.05
13	Vocab_Item_35601	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.16	94	0.31	0.93	1.02
14	Vocab_Item_35329	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.47	95	0.27	0.97	0.91
15	Vocab_Item_35333	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	1.01	95	0.27	0.94	1.02
16	Vocab_Item_35461	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	1.46	94	0.24	1.26	0.34
17	Vocab_Item_35092	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	2.04	95	0.26	0.92	1.30
18	Vocab_Item_35602	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.28	94	0.29	0.71	1.15
19	Vocab_Item_35687	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.26	94	0.31	1.20	0.87
20	Vocab_Item_35469	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.85	94	0.37	1.21	0.92

Table 1m
Item Information and Statistics, Gr3Vocab Benchmark 3 (Mean Measure = -0.06)

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
1	Vocab_Item_35003	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-1.39	94	0.43	0.58	1.08
2	Vocab_Item_35734	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.39	94	0.46	1.45	1.07
3	Vocab_Item_35330	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.71	94	0.36	0.42	1.27
4	Vocab_Item_35330	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.71	94	0.36	0.42	1.27
5	Vocab_Item_35155	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.02	94	0.30	0.86	1.11
6	Vocab_Item_35155	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.02	94	0.30	0.86	1.11
7	Vocab_Item_35605	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.91	95	0.26	1.04	0.91
8	Vocab_Item_35868	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.93	95	0.26	0.74	1.34
9	Vocab_Item_35727	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-1.32	95	0.49	0.24	1.24
10	Vocab_Item_35456	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-1.01	95	0.41	0.35	1.19

Table 1m
Item Information and Statistics, Gr3Vocab Benchmark 3 (Mean Measure = -0.06) Cont.

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
11	Vocab_Item_35459	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.48	94	0.36	0.97	1.00
12	Vocab_Item_35555	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.36	94	0.34	0.72	1.08
13	Vocab_Item_35182	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.18	95	0.31	1.35	0.56
14	Vocab_Item_35153	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.50	91	0.29	0.63	1.31
15	Vocab_Item_35411	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	1.05	94	0.26	1.06	0.87
16	Vocab_Item_35137	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	1.45	95	0.24	1.05	0.89
17	Vocab_Item_35368	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	2.02	94	0.25	0.84	1.24
18	Vocab_Item_35830	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.28	94	0.30	1.32	0.85
19	Vocab_Item_35104	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.25	94	0.32	0.69	1.13
20	Vocab_Item_35226	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.84	94	0.39	0.42	1.20

Table 1n
Item Information and Statistics, Unassigned Items

Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
Vocab_Item_35001	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.08	4227	0.05	1.29	0.76
Vocab_Item_35006	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-3.34	94	1.03	0.31	1.03
Vocab_Item_35007	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-1.83	95	0.49	0.93	1.03
Vocab_Item_35008	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.56	93	0.34	0.52	1.20
Vocab_Item_35009	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.38	94	0.28	1.30	0.75
Vocab_Item_35010	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-2.29	95	0.51	0.49	1.10
Vocab_Item_35012	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.18	94	0.44	0.39	1.18
Vocab_Item_35015	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.92	95	0.54	0.67	1.06
Vocab_Item_35017	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.46	94	0.34	0.38	1.41
Vocab_Item_35018	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.13	94	0.42	0.62	1.13

Table 1n
Item Information and Statistics, Unassigned Items Cont.

Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
Vocab_Item_35019	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.10	94	0.29	0.93	0.99
Vocab_Item_35020	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.85	93	0.54	0.29	1.12
Vocab_Item_35048	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.35	94	0.33	0.71	1.07
Vocab_Item_35055	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.17	94	0.32	0.67	1.15
Vocab_Item_35061	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.73	93	0.27	0.98	1.00
Vocab_Item_35063	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.35	94	0.43	0.33	1.19
Vocab_Item_35091	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-1.60	95	0.51	0.28	1.19
Vocab_Item_35093	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.22	94	0.31	0.53	1.38
Vocab_Item_35094	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.76	95	0.28	0.92	0.97
Vocab_Item_35096	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-2.77	95	0.74	0.16	1.13

Table 1n
Item Information and Statistics, Unassigned Items Cont.

Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
Vocab_Item_35099	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.66	98	0.35	0.46	1.22
Vocab_Item_35101	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.59	94	0.49	0.57	1.11
Vocab_Item_35102	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.17	94	0.43	0.30	1.23
Vocab_Item_35105	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.08	95	0.31	0.96	1.06
Vocab_Item_35107	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.59	94	0.51	0.21	1.22
Vocab_Item_35108	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.77	95	0.36	0.52	1.12
Vocab_Item_35140	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.43	93	0.35	1.06	1.01
Vocab_Item_35141	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.41	3989	0.04	1.18	0.83
Vocab_Item_35143	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	1.24	94	0.27	1.06	0.90
Vocab_Item_35146	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.09	87	0.34	0.82	1.11

Table 1n
Item Information and Statistics, Unassigned Items Cont.

Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
Vocab_Item_35147	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.72	94	0.26	1.36	0.60
Vocab_Item_35148	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.14	94	0.39	0.66	1.08
Vocab_Item_35184	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-1.19	94	0.45	0.27	1.25
Vocab_Item_35185	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.21	94	0.33	0.94	0.98
Vocab_Item_35186	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-1.19	93	0.38	0.44	1.16
Vocab_Item_35187	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.03	94	0.30	1.10	0.98
Vocab_Item_35192	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.84	94	0.55	0.63	1.08
Vocab_Item_35193	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.98	95	0.50	0.25	1.19
Vocab_Item_35195	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.60	95	0.27	0.98	0.94
Vocab_Item_35198	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.39	95	0.28	0.72	1.22

Table 1n
Item Information and Statistics, Unassigned Items Cont.

Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
Vocab_Item_35199	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.19	94	0.32	0.45	1.37
Vocab_Item_35200	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.66	95	0.48	0.38	1.18
Vocab_Item_35229	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.78	93	0.27	0.95	0.92
Vocab_Item_35231	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	1.32	91	0.26	0.93	1.04
Vocab_Item_35233	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.62	94	0.35	0.52	1.16
Vocab_Item_35238	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	1.80	94	0.25	0.95	1.23
Vocab_Item_35240	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.13	95	0.42	0.36	1.20
Vocab_Item_35241	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.09	94	0.29	0.79	1.11
Vocab_Item_35245	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.36	94	0.35	0.48	1.27
Vocab_Item_35271	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.60	94	0.29	1.21	0.71

Table 1n
Item Information and Statistics, Unassigned Items Cont.

Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
Vocab_Item_35272	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.61	94	0.28	0.55	1.39
Vocab_Item_35273	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.09	94	0.31	0.47	1.37
Vocab_Item_35276	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.65	94	0.35	0.71	1.08
Vocab_Item_35277	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.75	94	0.26	0.72	1.33
Vocab_Item_35278	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.98	95	0.27	0.98	0.96
Vocab_Item_35279	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.61	94	0.27	1.24	0.64
Vocab_Item_35282	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.15	95	0.32	1.09	0.73
Vocab_Item_35283	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.10	95	0.31	0.62	1.22
Vocab_Item_35284	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.71	95	0.37	0.41	1.24
Vocab_Item_35287	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.13	94	0.31	1.26	1.00

Table 1n
Item Information and Statistics, Unassigned Items Cont.

Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
Vocab_Item_35289	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.25	94	0.32	1.37	0.76
Vocab_Item_35316	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	1.22	94	0.27	1.02	1.06
Vocab_Item_35317	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.64	94	0.36	0.68	1.06
Vocab_Item_35319	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.67	94	0.28	0.93	1.09
Vocab_Item_35320	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-2.06	94	0.54	0.27	1.12
Vocab_Item_35321	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.33	94	0.34	1.27	0.89
Vocab_Item_35322	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.64	95	0.34	0.55	1.21
Vocab_Item_35326	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	1.86	95	0.26	1.06	0.83
Vocab_Item_35327	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.77	93	0.28	1.30	0.75
Vocab_Item_35328	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.39	94	0.27	1.43	0.56

Table 1n
Item Information and Statistics, Unassigned Items Cont.

Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
Vocab_Item_35331	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.46	93	0.35	0.52	1.29
Vocab_Item_35335	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.94	3832	0.06	0.58	1.14
Vocab_Item_35362	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.43	94	0.28	0.77	1.25
Vocab_Item_35365	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.36	95	0.29	0.92	1.00
Vocab_Item_35372	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	1.15	94	0.27	1.03	1.02
Vocab_Item_35377	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.60	94	0.27	0.78	1.17
Vocab_Item_35406	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-1.78	94	0.53	0.39	1.12
Vocab_Item_35407	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	1.26	94	0.27	1.12	0.80
Vocab_Item_35408	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.43	94	0.36	0.67	1.06
Vocab_Item_35409	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	1.15	93	0.26	1.03	1.02

Table 1n
Item Information and Statistics, Unassigned Items Cont.

Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
Vocab_Item_35410	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.43	95	0.35	0.60	1.13
Vocab_Item_35413	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.60	94	0.36	0.92	0.98
Vocab_Item_35416	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.09	95	0.31	1.08	0.86
Vocab_Item_35418	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-2.42	94	0.65	0.37	1.10
Vocab_Item_35420	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.44	94	0.30	0.76	1.18
Vocab_Item_35421	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.71	95	0.36	0.34	1.32
Vocab_Item_35425	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.76	94	0.26	1.15	0.85
Vocab_Item_35454	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.08	95	0.31	0.77	1.10
Vocab_Item_35458	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.13	94	0.30	0.72	1.16
Vocab_Item_35465	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.44	94	0.34	0.91	1.07

Table 1n
Item Information and Statistics, Unassigned Items Cont.

Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
Vocab_Item_35466	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.12	94	0.39	0.38	1.27
Vocab_Item_35468	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.16	94	0.32	0.76	1.14
Vocab_Item_35497	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.06	94	0.31	0.81	0.99
Vocab_Item_35498	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	1.20	94	0.26	1.28	0.42
Vocab_Item_35500	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.04	93	0.31	0.78	1.17
Vocab_Item_35509	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.65	95	0.36	0.69	1.17
Vocab_Item_35510	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.46	94	0.28	0.97	1.04
Vocab_Item_35513	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.71	94	0.29	0.93	1.06
Vocab_Item_35514	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.15	94	0.31	0.92	1.09
Vocab_Item_35515	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.42	94	0.27	1.01	0.90

Table 1n
Item Information and Statistics, Unassigned Items Cont.

Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
Vocab_Item_35542	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.56	94	0.37	0.83	1.07
Vocab_Item_35543	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-2.57	94	0.74	0.17	1.14
Vocab_Item_35547	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.19	94	0.31	0.56	1.26
Vocab_Item_35548	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.94	93	0.37	0.73	1.10
Vocab_Item_35549	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-2.19	94	0.73	0.42	1.03
Vocab_Item_35550	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	1.13	94	0.26	0.77	1.36
Vocab_Item_35551	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.39	94	0.42	0.52	1.10
Vocab_Item_35553	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.78	94	0.38	0.44	1.18
Vocab_Item_35556	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.62	94	0.34	0.94	0.99
Vocab_Item_35557	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.69	95	0.38	0.85	1.05

Table 1n
Item Information and Statistics, Unassigned Items Cont.

Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
Vocab_Item_35558	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.43	94	0.33	0.48	1.27
Vocab_Item_35589	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-1.94	95	0.55	0.19	1.20
Vocab_Item_35591	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.43	93	0.33	0.86	1.05
Vocab_Item_35593	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.59	93	0.28	0.92	0.94
Vocab_Item_35595	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.63	94	0.28	0.90	1.06
Vocab_Item_35633	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.97	95	0.43	0.35	1.22
Vocab_Item_35635	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.23	95	0.31	0.50	1.37
Vocab_Item_35637	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-1.14	95	0.42	0.41	1.15
Vocab_Item_35638	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.94	94	0.26	0.91	1.08
Vocab_Item_35640	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-1.14	95	0.42	0.43	1.17

Table 1n
Item Information and Statistics, Unassigned Items Cont.

Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
Vocab_Item_35643	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.35	94	0.34	1.03	1.09
Vocab_Item_35644	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.45	95	0.32	0.71	1.13
Vocab_Item_35645	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.06	94	0.32	0.79	1.10
Vocab_Item_35679	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.41	95	0.31	0.99	0.96
Vocab_Item_35680	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.09	95	0.31	1.13	1.05
Vocab_Item_35682	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.07	95	0.31	0.71	1.15
Vocab_Item_35684	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.62	95	0.27	1.08	0.77
Vocab_Item_35685	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.64	94	0.28	0.89	1.21
Vocab_Item_35686	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.40	93	0.29	1.23	0.74
Vocab_Item_35688	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.82	93	0.48	0.22	1.23

Table 1n
Item Information and Statistics, Unassigned Items Cont.

Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
Vocab_Item_35689	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.70	94	0.37	0.74	1.06
Vocab_Item_35690	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.37	94	0.43	0.33	1.20
Vocab_Item_35693	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.55	94	0.36	0.56	1.17
Vocab_Item_35695	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.93	95	0.36	1.01	1.12
Vocab_Item_35721	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.34	94	0.31	0.71	1.21
Vocab_Item_35729	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	1.31	94	0.26	0.93	1.11
Vocab_Item_35733	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.56	94	0.35	0.61	1.22
Vocab_Item_35736	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-2.27	94	0.61	0.40	1.11
Vocab_Item_35738	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.57	92	0.37	0.80	1.07
Vocab_Item_35739	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.15	94	0.41	0.45	1.11

Table 1n
Item Information and Statistics, Unassigned Items Cont.

Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
Vocab_Item_35740	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.64	94	0.49	0.57	1.08
Vocab_Item_35766	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.34	95	0.32	0.87	1.11
Vocab_Item_35770	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.66	94	0.27	0.89	1.07
Vocab_Item_35772	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.97	94	0.27	1.44	0.33
Vocab_Item_35773	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.04	95	0.33	0.76	1.03
Vocab_Item_35775	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.12	88	0.34	0.61	1.17
Vocab_Item_35783	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.95	95	0.28	0.92	1.00
Vocab_Item_35785	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.20	95	0.40	0.53	1.11
Vocab_Item_35812	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	1.27	93	0.26	1.35	0.57
Vocab_Item_35818	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	1.72	94	0.25	0.98	1.01

Table 1n
Item Information and Statistics, Unassigned Items Cont.

Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
Vocab_Item_35819	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	0.96	94	0.25	1.25	0.82
Vocab_Item_35821	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.18	95	0.33	0.76	1.12
Vocab_Item_35822	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.12	93	0.29	0.65	1.18
Vocab_Item_35824	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.94	94	0.38	0.60	1.11
Vocab_Item_35826	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.15	95	0.33	0.64	1.15
Vocab_Item_35827	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.62	95	0.28	0.99	0.91
Vocab_Item_35828	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.67	93	0.35	0.52	1.22
Vocab_Item_35829	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.62	95	0.28	0.88	1.04
Vocab_Item_35856	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.09	94	0.32	1.34	0.85
Vocab_Item_35860	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	1.25	95	0.26	0.86	1.24

Table 1n
Item Information and Statistics, Unassigned Items Cont.

Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
Vocab_Item_35862	EL.03.RE.14 Determine the meanings of words using knowledge of antonyms, synonyms, homophones, and homographs.	-0.05	94	0.33	0.65	1.16
Vocab_Item_35870	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-1.38	94	0.47	0.66	1.16
Vocab_Item_35871	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.13	94	0.34	0.43	1.32
Vocab_Item_35872	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	-0.18	94	0.32	0.80	1.04
Vocab_Item_35873	EL.03.RE.15 Use sentence and word context to find the meaning of unknown words.	0.95	93	0.27	1.13	0.78

Table 2
Distractor Analysis Results

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v35001	A	1	3414	-4.18	0.02	1.97
v35001	B	0	666	-4.60	0.05	1.39
v35001	C	0	147	-5.06	0.12	1.07
v35002	A	1	88	-3.78	0.03	0.89
v35002	B	0	3	-4.06	0.10	0.91
v35002	C	0	3	-4.17	0.14	0.82
v35003	A	1	87	-3.89	0.04	1.02
v35003	B	0	2	-4.64	0.54	0.58
v35003	C	0	5	-4.51	0.23	0.63
v35004	A	1	80	-3.83	0.04	0.96
v35004	B	0	9	-4.31	0.17	0.77
v35004	C	0	4	-4.59	0.22	0.57
v35005	A	1	62	-3.83	0.04	0.95
v35005	B	0	7	-4.40	0.34	0.83
v35005	C	0	24	-4.15	0.09	0.88
v35006	A	1	92	-3.85	0.04	0.99
v35006	B	0	1	-8.69	0.00	0.00
v35006	C	0	1	-4.89	0.00	0.39
v35007	A	1	90	-3.89	0.04	1.02
v35007	B	0	3	-4.73	0.45	0.57
v35007	C	0	2	-4.57	0.61	0.64
v35008	A	1	80	-3.82	0.04	0.95
v35008	B	0	7	-4.87	0.31	0.50
v35008	C	0	6	-4.65	0.15	0.53
v35009	A	1	69	-3.87	0.05	1.04
v35009	B	0	19	-4.33	0.16	0.82
v35009	C	0	6	-4.67	0.17	0.53
v35010	A	1	90	-3.95	0.05	1.17
v35010	B	0	4	-5.37	0.74	0.43
v35010	C	0	1	-5.17	0.00	0.30
v35011	A	1	62	-3.84	0.04	0.96
v35011	B	0	8	-4.82	0.23	0.50
v35011	C	0	24	-4.05	0.10	0.99
v35012	A	1	86	-3.82	0.04	1.02
v35012	B	0	4	-5.93	0.62	0.23
v35012	C	0	4	-4.75	0.43	0.56
v35013	A	1	81	-3.80	0.03	0.89
v35013	B	0	6	-4.20	0.17	0.83
v35013	C	0	7	-4.37	0.19	0.74
v35014	A	1	81	-3.85	0.03	0.95
v35014	B	0	6	-5.89	0.75	0.51
v35014	C	0	7	-4.69	0.32	0.62

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v35015	A	1	90	-3.84	0.04	0.95
v35015	B	0	3	-5.72	1.50	0.81
v35015	C	0	2	-4.89	0.63	0.47
v35016	A	1	84	-3.82	0.04	0.94
v35016	B	0	2	-4.64	0.54	0.58
v35016	C	0	9	-4.87	0.16	0.44
v35017	A	1	79	-3.81	0.04	0.92
v35017	B	0	9	-5.06	0.47	0.55
v35017	C	0	6	-5.04	0.11	0.35
v35018	A	1	86	-3.84	0.04	0.97
v35018	B	0	7	-4.81	0.36	0.58
v35018	C	0	1	-5.52	0.00	0.21
v35019	A	1	74	-3.88	0.05	1.03
v35019	B	0	12	-4.40	0.26	0.82
v35019	C	0	8	-4.46	0.17	0.66
v35020	A	1	89	-3.86	0.04	0.98
v35020	B	0	2	-4.54	0.10	0.56
v35020	C	0	2	-4.76	0.12	0.45
v35046	A	1	81	-3.82	0.03	0.92
v35046	B	0	3	-4.47	0.56	0.78
v35046	C	0	11	-4.50	0.16	0.66
v35047	A	1	86	-3.77	0.03	0.88
v35047	B	0	5	-4.86	0.32	0.48
v35047	C	0	4	-4.33	0.26	0.75
v35048	A	1	80	-3.85	0.05	1.07
v35048	B	0	11	-4.34	0.12	0.73
v35048	C	0	3	-4.90	0.15	0.40
v35049	A	1	52	-3.86	0.05	0.97
v35049	B	0	5	-4.82	0.52	0.63
v35049	C	0	37	-4.23	0.10	0.87
v35050	A	1	58	-3.87	0.05	1.03
v35050	B	0	27	-4.07	0.06	0.92
v35050	C	0	9	-4.99	0.17	0.40
v35051	A	1	81	-3.85	0.03	0.95
v35051	B	0	2	-4.57	0.31	0.57
v35051	C	0	11	-4.36	0.26	0.83
v35052	A	1	66	-3.74	0.02	0.82
v35052	B	0	18	-4.15	0.11	0.90
v35052	C	0	10	-4.03	0.09	0.96
v35053	A	1	72	-3.83	0.04	0.96
v35053	B	0	17	-4.27	0.13	0.82
v35053	C	0	6	-4.11	0.21	0.94

Table 2
Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v35054	A	1	70	-3.80	0.04	0.91
v35054	B	0	4	-4.88	0.40	0.51
v35054	C	0	21	-4.03	0.12	1.01
v35055	A	1	79	-3.83	0.04	0.97
v35055	B	0	5	-4.69	0.49	0.66
v35055	C	0	10	-4.43	0.19	0.72
v35056	A	1	73	-3.82	0.04	0.96
v35056	B	0	6	-4.28	0.24	0.82
v35056	C	0	15	-3.98	0.05	0.99
v35057	A	1	81	-3.82	0.04	0.98
v35057	B	0	11	-4.88	0.26	0.52
v35057	C	0	2	-4.03	0.41	1.01
v35058	A	1	75	-3.72	0.02	0.81
v35058	B	0	12	-4.57	0.21	0.64
v35058	C	0	7	-4.56	0.13	0.57
v35059	A	1	85	-3.84	0.03	0.95
v35059	B	0	4	-4.85	0.15	0.42
v35059	C	0	5	-5.15	0.17	0.32
v35060	A	1	86	-3.87	0.04	1.04
v35060	B	0	4	-4.98	0.65	0.60
v35060	C	0	5	-4.44	0.40	0.77
v35061	A	1	64	-3.82	0.04	0.95
v35061	B	0	9	-4.82	0.20	0.48
v35061	C	0	20	-4.22	0.12	0.85
v35062	A	1	54	-3.83	0.05	0.95
v35062	B	0	28	-4.13	0.08	0.91
v35062	C	0	13	-4.40	0.23	0.79
v35063	A	1	87	-3.83	0.03	0.93
v35063	B	0	4	-4.80	0.42	0.53
v35063	C	0	3	-5.34	0.32	0.27
v35064	A	1	44	-3.89	0.07	1.06
v35064	B	0	4	-5.36	0.70	0.39
v35064	C	0	46	-4.05	0.06	0.97
v35065	A	1	70	-3.85	0.05	1.06
v35065	B	0	14	-4.24	0.12	0.81
v35065	C	0	10	-4.15	0.22	0.95
v35091	A	1	89	-3.80	0.03	0.90
v35091	B	0	4	-5.94	0.94	0.37
v35091	C	0	2	-5.70	0.82	0.24
v35092	A	1	50	-3.72	0.04	0.83
v35092	B	0	11	-4.18	0.17	0.89
v35092	C	0	34	-4.45	0.17	0.80

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v35093	A	1	75	-3.78	0.03	0.88
v35093	B	0	14	-4.35	0.14	0.74
v35093	C	0	5	-5.58	0.82	0.50
v35094	A	1	71	-3.78	0.04	0.89
v35094	B	0	7	-4.80	0.67	0.90
v35094	C	0	17	-4.11	0.08	0.89
v35095	A	1	69	-3.81	0.04	0.93
v35095	B	0	22	-4.25	0.23	0.98
v35095	C	0	3	-4.05	0.05	0.90
v35096	A	1	93	-3.86	0.04	0.99
v35096	B	0	1	-5.52	0.00	0.21
v35096	C	0	1	-4.89	0.00	0.39
v35097	A	1	69	-3.81	0.04	0.93
v35097	B	0	21	-4.23	0.11	0.84
v35097	C	0	3	-4.27	0.10	0.74
v35098	A	1	85	-3.82	0.03	0.90
v35098	B	0	4	-4.69	0.43	0.59
v35098	C	0	5	-4.62	0.21	0.56
v35099	A	1	85	-3.82	0.03	0.93
v35099	B	0	8	-4.95	0.29	0.46
v35099	C	0	5	-4.82	0.37	0.54
v35100	A	1	89	-3.83	0.03	0.93
v35100	B	0	5	-4.74	0.18	0.49
v35100	C	0	0	0.00	0.00	0.00
v35101	A	1	89	-3.83	0.03	0.92
v35101	B	0	2	-4.91	0.27	0.40
v35101	C	0	3	-4.50	0.53	0.73
v35102	A	1	87	-3.81	0.03	0.90
v35102	B	0	4	-4.67	0.15	0.51
v35102	C	0	3	-5.05	0.47	0.43
v35103	A	1	81	-3.79	0.03	0.89
v35103	B	0	5	-5.06	0.22	0.37
v35103	C	0	8	-4.61	0.14	0.55
v35104	A	1	79	-3.84	0.04	0.95
v35104	B	0	6	-4.40	0.22	0.71
v35104	C	0	9	-4.58	0.29	0.68
v35105	A	1	80	-3.80	0.03	0.89
v35105	B	0	13	-4.39	0.23	0.81
v35105	C	0	2	-4.10	0.00	0.86
v35106	A	1	86	-3.81	0.03	0.92
v35106	B	0	6	-5.05	0.41	0.47
v35106	C	0	3	-4.78	0.60	0.58

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v35107	A	1	88	-3.80	0.03	0.91
v35107	B	0	4	-5.12	0.47	0.40
v35107	C	0	2	-7.11	1.58	0.21
v35108	A	1	84	-3.85	0.04	1.00
v35108	B	0	8	-4.51	0.16	0.63
v35108	C	0	3	-4.64	0.00	0.50
v35109	A	1	89	-3.81	0.04	0.95
v35109	B	0	3	-4.80	0.08	0.43
v35109	C	0	2	-4.98	0.54	0.41
v35110	A	1	78	-3.85	0.05	1.08
v35110	B	0	12	-4.49	0.19	0.69
v35110	C	0	4	-5.71	0.45	0.24
v35136	A	1	59	-3.82	0.04	0.94
v35136	B	0	19	-4.43	0.17	0.74
v35136	C	0	15	-4.16	0.14	0.91
v35137	A	1	56	-3.83	0.05	0.95
v35137	B	0	10	-4.17	0.20	0.92
v35137	C	0	29	-4.28	0.14	0.84
v35138	A	1	46	-3.74	0.04	0.85
v35138	B	0	33	-4.10	0.09	0.95
v35138	C	0	16	-4.04	0.10	0.98
v35139	A	1	56	-3.73	0.03	0.83
v35139	B	0	23	-4.18	0.12	0.90
v35139	C	0	15	-4.27	0.20	0.86
v35140	A	1	81	-3.82	0.03	0.93
v35140	B	0	7	-4.57	0.32	0.71
v35140	C	0	5	-4.40	0.16	0.67
v35141	A	1	3063	-3.95	0.01	1.02
v35141	B	0	725	-4.39	0.03	1.21
v35141	C	0	201	-4.88	0.08	0.84
v35142	A	1	82	-3.83	0.04	0.94
v35142	B	0	6	-5.11	0.15	0.33
v35142	C	0	6	-4.71	0.25	0.54
v35143	A	1	62	-3.77	0.04	0.88
v35143	B	0	31	-4.18	0.10	0.88
v35143	C	0	1	-5.17	0.00	0.29
v35144	A	1	47	-3.76	0.05	0.91
v35144	B	0	17	-4.49	0.18	0.71
v35144	C	0	31	-4.07	0.08	0.95
v35145	A	1	45	-3.72	0.05	0.86
v35145	B	0	40	-4.13	0.07	0.91
v35145	C	0	8	-4.43	0.27	0.75

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v35146	A	1	74	-3.73	0.02	0.82
v35146	B	0	9	-4.38	0.24	0.78
v35146	C	0	4	-4.37	0.33	0.76
v35147	A	1	68	-3.86	0.04	0.97
v35147	B	0	21	-3.97	0.09	1.05
v35147	C	0	5	-4.61	0.32	0.62
v35148	A	1	86	-3.87	0.04	0.98
v35148	B	0	6	-4.52	0.18	0.61
v35148	C	0	2	-4.42	0.46	0.69
v35149	A	1	84	-3.91	0.05	1.14
v35149	B	0	5	-5.30	0.35	0.32
v35149	C	0	5	-4.47	0.21	0.66
v35150	A	1	83	-3.80	0.04	0.93
v35150	B	0	4	-4.40	0.22	0.69
v35150	C	0	8	-4.26	0.12	0.78
v35151	A	1	86	-3.78	0.03	0.88
v35151	B	0	3	-5.24	0.36	0.31
v35151	C	0	4	-4.35	0.42	0.84
v35152	A	1	70	-3.78	0.05	0.96
v35152	B	0	11	-5.12	0.32	0.48
v35152	C	0	13	-4.18	0.10	0.84
v35153	A	1	71	-3.75	0.03	0.83
v35153	B	0	10	-4.40	0.20	0.73
v35153	C	0	10	-4.34	0.18	0.77
v35154	A	1	59	-3.81	0.06	1.09
v35154	B	0	14	-4.33	0.13	0.75
v35154	C	0	22	-4.59	0.11	0.59
v35155	A	1	75	-3.81	0.03	0.91
v35155	B	0	6	-5.10	0.74	0.73
v35155	C	0	13	-4.50	0.17	0.68
v35181	A	1	82	-3.84	0.03	0.94
v35181	B	0	7	-4.66	0.19	0.55
v35181	C	0	6	-4.51	0.24	0.66
v35182	A	1	76	-3.87	0.05	1.05
v35182	B	0	15	-4.15	0.18	0.92
v35182	C	0	4	-4.58	0.65	0.80
v35183	A	1	89	-3.81	0.03	0.91
v35183	B	0	3	-4.89	0.00	0.39
v35183	C	0	2	-4.74	0.78	0.60
v35184	A	1	87	-3.78	0.03	0.87
v35184	B	0	1	-4.89	0.00	0.39
v35184	C	0	6	-5.32	0.36	0.35

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v35185	A	1	80	-3.82	0.04	0.95
v35185	B	0	3	-3.94	0.16	1.04
v35185	C	0	11	-4.40	0.18	0.74
v35186	A	1	83	-3.91	0.04	1.06
v35186	B	0	6	-5.04	0.34	0.42
v35186	C	0	4	-4.79	0.29	0.49
v35187	A	1	75	-3.85	0.05	1.01
v35187	B	0	17	-4.35	0.14	0.77
v35187	C	0	2	-5.20	0.32	0.30
v35188	A	1	50	-3.86	0.07	1.16
v35188	B	0	31	-4.00	0.10	1.04
v35188	C	0	13	-4.21	0.12	0.83
v35189	A	1	82	-3.79	0.04	0.92
v35189	B	0	10	-4.17	0.17	0.89
v35189	C	0	2	-4.27	0.17	0.74
v35190	A	1	88	-3.84	0.04	1.00
v35190	B	0	4	-4.73	0.26	0.52
v35190	C	0	3	-5.24	1.07	0.54
v35191	A	1	84	-3.82	0.03	0.93
v35191	B	0	5	-5.08	0.33	0.40
v35191	C	0	5	-5.18	0.64	0.53
v35192	A	1	90	-3.82	0.03	0.92
v35192	B	0	3	-4.87	0.83	0.65
v35192	C	0	1	-4.64	0.00	0.50
v35193	A	1	90	-3.88	0.04	1.03
v35193	B	0	2	-5.20	0.32	0.30
v35193	C	0	3	-5.49	0.60	0.30
v35194	A	1	84	-3.90	0.05	1.05
v35194	B	0	6	-4.29	0.22	0.80
v35194	C	0	5	-4.45	0.10	0.62
v35195	A	1	70	-3.85	0.04	0.97
v35195	B	0	17	-4.05	0.07	0.94
v35195	C	0	8	-4.62	0.22	0.59
v35196	A	1	74	-3.83	0.05	1.02
v35196	B	0	13	-3.95	0.05	1.01
v35196	C	0	8	-4.44	0.32	0.77
v35197	A	1	87	-3.82	0.03	0.91
v35197	B	0	5	-5.58	0.42	0.27
v35197	C	0	3	-4.63	0.41	0.60
v35198	A	1	71	-3.80	0.04	0.92
v35198	B	0	7	-4.33	0.23	0.78
v35198	C	0	17	-4.71	0.21	0.61

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v35199	A	1	78	-3.77	0.03	0.87
v35199	B	0	2	-5.35	0.17	0.25
v35199	C	0	14	-4.66	0.14	0.56
v35200	A	1	89	-3.82	0.03	0.93
v35200	B	0	3	-4.72	0.32	0.52
v35200	C	0	3	-5.93	0.75	0.21
v35226	A	1	85	-3.78	0.03	0.89
v35226	B	0	3	-4.87	0.31	0.44
v35226	C	0	6	-4.64	0.25	0.58
v35227	A	1	80	-3.78	0.03	0.89
v35227	B	0	8	-4.35	0.14	0.72
v35227	C	0	6	-5.02	0.41	0.50
v35228	A	1	70	-3.85	0.04	0.97
v35228	B	0	13	-4.42	0.18	0.74
v35228	C	0	11	-4.60	0.21	0.63
v35229	A	1	66	-3.83	0.04	0.96
v35229	B	0	15	-4.27	0.16	0.83
v35229	C	0	12	-4.50	0.24	0.72
v35230	A	1	93	-3.77	0.03	0.86
v35230	B	0	0	0.00	0.00	0.00
v35230	C	0	1	-5.52	0.00	0.21
v35231	A	1	61	-3.79	0.04	0.91
v35231	B	0	24	-3.95	0.07	1.04
v35231	C	0	6	-5.08	0.30	0.38
v35232	A	1	3464	-3.93	0.01	0.74
v35232	B	0	249	-4.71	0.06	1.12
v35232	C	0	200	-4.73	0.06	1.05
v35233	A	1	83	-3.83	0.03	0.94
v35233	B	0	4	-4.19	0.10	0.80
v35233	C	0	7	-4.66	0.14	0.53
v35234	A	1	71	-3.82	0.05	0.97
v35234	B	0	19	-4.05	0.07	0.95
v35234	C	0	5	-4.14	0.21	0.90
v35235	A	1	53	-3.86	0.04	0.97
v35235	B	0	12	-4.18	0.17	0.90
v35235	C	0	30	-4.08	0.07	0.94
v35236	A	1	75	-3.81	0.04	0.93
v35236	B	0	3	-3.99	0.19	1.00
v35236	C	0	17	-4.10	0.17	1.00
v35237	A	1	76	-3.82	0.04	0.98
v35237	B	0	9	-4.59	0.19	0.61
v35237	C	0	9	-4.58	0.17	0.59

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v35238	A	1	53	-3.76	0.05	0.89
v35238	B	0	26	-4.18	0.08	0.86
v35238	C	0	15	-4.11	0.05	0.87
v35239	A	1	85	-3.86	0.04	0.99
v35239	B	0	4	-4.69	0.39	0.59
v35239	C	0	6	-4.57	0.30	0.64
v35240	A	1	88	-3.81	0.03	0.89
v35240	B	0	2	-4.35	0.09	0.68
v35240	C	0	5	-5.09	0.43	0.43
v35241	A	1	75	-3.84	0.04	0.96
v35241	B	0	11	-4.42	0.24	0.75
v35241	C	0	8	-4.48	0.24	0.68
v35242	A	1	84	-3.82	0.03	0.93
v35242	B	0	7	-4.80	0.48	0.66
v35242	C	0	4	-4.70	0.29	0.55
v35243	A	1	65	-3.82	0.04	0.93
v35243	B	0	11	-4.16	0.11	0.86
v35243	C	0	19	-4.27	0.10	0.80
v35244	A	1	88	-3.84	0.04	0.98
v35244	B	0	3	-4.45	0.11	0.62
v35244	C	0	3	-4.63	0.45	0.60
v35245	A	1	81	-3.78	0.03	0.89
v35245	B	0	5	-4.95	0.46	0.53
v35245	C	0	8	-4.72	0.23	0.54
v35271	A	1	69	-3.85	0.06	1.06
v35271	B	0	9	-4.22	0.10	0.80
v35271	C	0	16	-4.50	0.22	0.76
v35272	A	1	70	-3.75	0.02	0.84
v35272	B	0	15	-4.47	0.15	0.69
v35272	C	0	9	-4.64	0.30	0.66
v35273	A	1	77	-3.75	0.03	0.84
v35273	B	0	9	-4.44	0.12	0.65
v35273	C	0	8	-4.68	0.32	0.62
v35274	A	1	85	-3.92	0.05	1.17
v35274	B	0	6	-4.12	0.16	0.89
v35274	C	0	3	-5.16	0.40	0.34
v35275	A	1	90	-3.83	0.03	0.94
v35275	B	0	1	-4.44	0.00	0.62
v35275	C	0	4	-4.57	0.32	0.61
v35276	A	1	81	-3.87	0.04	1.01
v35276	B	0	6	-5.02	0.35	0.44
v35276	C	0	7	-4.56	0.29	0.66

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v35277	A	1	68	-3.77	0.02	0.85
v35277	B	0	9	-4.31	0.13	0.75
v35277	C	0	17	-4.35	0.18	0.80
v35278	A	1	66	-3.77	0.03	0.86
v35278	B	0	17	-4.47	0.16	0.69
v35278	C	0	12	-3.96	0.07	1.02
v35279	A	1	66	-3.90	0.06	1.10
v35279	B	0	17	-4.22	0.17	0.89
v35279	C	0	11	-4.64	0.27	0.66
v35280	A	1	82	-3.76	0.02	0.85
v35280	B	0	8	-5.00	0.25	0.42
v35280	C	0	5	-4.25	0.24	0.83
v35281	A	1	75	-3.82	0.04	0.93
v35281	B	0	10	-4.66	0.25	0.61
v35281	C	0	10	-5.01	0.47	0.65
v35282	A	1	79	-3.89	0.06	1.16
v35282	B	0	11	-4.20	0.17	0.87
v35282	C	0	5	-4.20	0.08	0.79
v35283	A	1	78	-3.78	0.04	0.90
v35283	B	0	5	-4.84	0.65	0.65
v35283	C	0	12	-4.32	0.09	0.72
v35284	A	1	84	-3.81	0.04	0.93
v35284	B	0	6	-5.03	0.49	0.49
v35284	C	0	5	-4.43	0.15	0.65
v35285	A	1	77	-3.72	0.02	0.82
v35285	B	0	11	-4.59	0.21	0.63
v35285	C	0	6	-4.82	0.10	0.43
v35286	A	1	85	-3.82	0.03	0.91
v35286	B	0	6	-4.56	0.12	0.56
v35286	C	0	3	-4.12	0.14	0.87
v35287	A	1	77	-3.83	0.03	0.92
v35287	B	0	9	-4.34	0.19	0.77
v35287	C	0	8	-4.60	0.30	0.69
v35288	A	1	76	-3.80	0.04	0.93
v35288	B	0	13	-4.46	0.13	0.66
v35288	C	0	6	-4.19	0.21	0.86
v35289	A	1	76	-3.81	0.05	0.97
v35289	B	0	5	-4.98	0.40	0.51
v35289	C	0	13	-4.11	0.12	0.93
v35290	A	1	86	-3.82	0.03	0.93
v35290	B	0	5	-3.88	0.11	1.10
v35290	C	0	3	-4.77	0.27	0.48

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v35316	A	1	61	-3.79	0.05	0.95
v35316	B	0	16	-4.20	0.13	0.86
v35316	C	0	17	-4.31	0.10	0.75
v35317	A	1	83	-3.84	0.04	0.99
v35317	B	0	8	-4.41	0.20	0.71
v35317	C	0	3	-4.44	0.42	0.72
v35318	A	1	83	-3.82	0.04	0.95
v35318	B	0	8	-4.44	0.20	0.70
v35318	C	0	5	-4.53	0.31	0.67
v35319	A	1	72	-3.75	0.03	0.85
v35319	B	0	21	-4.30	0.16	0.86
v35319	C	0	1	-4.64	0.00	0.50
v35320	A	1	90	-3.87	0.04	1.01
v35320	B	0	1	-4.44	0.00	0.62
v35320	C	0	3	-4.98	0.10	0.36
v35321	A	1	81	-3.83	0.04	0.98
v35321	B	0	8	-4.11	0.16	0.92
v35321	C	0	5	-4.43	0.21	0.68
v35322	A	1	83	-3.84	0.03	0.95
v35322	B	0	7	-4.59	0.18	0.58
v35322	C	0	5	-4.35	0.18	0.72
v35323	A	1	67	-3.80	0.04	0.91
v35323	B	0	24	-4.14	0.11	0.92
v35323	C	0	3	-4.33	0.30	0.75
v35324	A	1	71	-3.82	0.04	0.96
v35324	B	0	12	-4.55	0.15	0.61
v35324	C	0	11	-4.60	0.33	0.74
v35325	A	1	88	-3.85	0.04	1.01
v35325	B	0	6	-4.11	0.21	0.94
v35325	C	0	1	-5.95	0.00	0.14
v35326	A	1	56	-3.75	0.03	0.85
v35326	B	0	8	-4.63	0.42	0.72
v35326	C	0	31	-4.06	0.08	0.96
v35327	A	1	67	-3.79	0.04	0.89
v35327	B	0	5	-5.00	0.42	0.48
v35327	C	0	21	-4.13	0.10	0.91
v35328	A	1	71	-3.89	0.04	1.01
v35328	B	0	9	-4.06	0.16	0.98
v35328	C	0	14	-4.09	0.11	0.93
v35329	A	1	68	-3.90	0.06	1.22
v35329	B	0	19	-4.32	0.13	0.78
v35329	C	0	8	-4.65	0.19	0.56

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v35330	A	1	82	-3.80	0.03	0.91
v35330	B	0	8	-4.87	0.25	0.49
v35330	C	0	4	-5.19	0.47	0.37
v35331	A	1	81	-3.77	0.03	0.85
v35331	B	0	9	-4.69	0.20	0.55
v35331	C	0	3	-4.71	0.53	0.62
v35332	A	1	74	-3.83	0.04	0.96
v35332	B	0	11	-4.34	0.27	0.85
v35332	C	0	8	-4.84	0.21	0.48
v35333	A	1	65	-3.78	0.05	0.93
v35333	B	0	13	-4.67	0.21	0.61
v35333	C	0	17	-4.16	0.10	0.87
v35334	A	1	74	-3.82	0.03	0.92
v35334	B	0	11	-4.97	0.30	0.50
v35334	C	0	10	-4.50	0.15	0.63
v35335	A	1	3460	-3.88	0.01	0.63
v35335	B	0	194	-4.84	0.06	0.89
v35335	C	0	178	-4.81	0.06	0.92
v35361	A	1	79	-3.84	0.04	0.97
v35361	B	0	14	-4.29	0.15	0.79
v35361	C	0	1	-5.17	0.00	0.30
v35362	A	1	72	-3.80	0.03	0.89
v35362	B	0	13	-4.44	0.13	0.68
v35362	C	0	9	-4.09	0.12	0.91
v35363	A	1	63	-3.76	0.03	0.85
v35363	B	0	21	-4.13	0.05	0.86
v35363	C	0	10	-4.49	0.17	0.66
v35364	A	1	75	-3.80	0.04	0.92
v35364	B	0	7	-4.47	0.26	0.71
v35364	C	0	13	-4.42	0.15	0.71
v35365	A	1	73	-3.84	0.04	0.97
v35365	B	0	20	-4.37	0.13	0.77
v35365	C	0	2	-4.27	0.17	0.74
v35366	A	1	75	-3.79	0.04	0.92
v35366	B	0	14	-4.51	0.25	0.73
v35366	C	0	5	-4.01	0.11	0.97
v35367	A	1	86	-3.84	0.03	0.94
v35367	B	0	8	-5.05	0.11	0.35
v35367	C	0	1	-4.44	0.00	0.62
v35368	A	1	48	-3.74	0.04	0.84
v35368	B	0	43	-4.26	0.10	0.85
v35368	C	0	3	-4.85	0.64	0.59

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v35369	A	1	43	-3.82	0.08	1.18
v35369	B	0	14	-4.18	0.12	0.87
v35369	C	0	37	-4.02	0.06	0.99
v35370	A	1	85	-3.79	0.03	0.88
v35370	B	0	7	-5.09	0.51	0.53
v35370	C	0	2	-4.76	0.12	0.45
v35371	A	1	88	-3.81	0.03	0.94
v35371	B	0	3	-4.66	0.13	0.50
v35371	C	0	3	-5.30	0.45	0.32
v35372	A	1	63	-3.77	0.04	0.90
v35372	B	0	15	-4.25	0.09	0.79
v35372	C	0	16	-4.25	0.15	0.85
v35373	A	1	86	-3.79	0.03	0.88
v35373	B	0	2	-4.30	0.34	0.75
v35373	C	0	5	-4.66	0.22	0.54
v35374	A	1	88	-3.84	0.04	0.97
v35374	B	0	2	-5.39	1.13	0.41
v35374	C	0	4	-4.61	0.31	0.61
v35375	A	1	81	-3.80	0.03	0.90
v35375	B	0	4	-4.50	0.23	0.63
v35375	C	0	9	-4.29	0.19	0.80
v35376	A	1	84	-3.79	0.03	0.88
v35376	B	0	7	-4.79	0.15	0.46
v35376	C	0	4	-5.42	0.68	0.36
v35377	A	1	69	-3.81	0.04	0.92
v35377	B	0	15	-4.27	0.18	0.83
v35377	C	0	10	-4.41	0.12	0.67
v35378	A	1	56	-3.91	0.06	1.10
v35378	B	0	16	-4.23	0.16	0.88
v35378	C	0	22	-3.98	0.08	1.03
v35379	A	1	84	-3.86	0.04	1.01
v35379	B	0	5	-4.47	0.15	0.62
v35379	C	0	6	-4.34	0.16	0.73
v35380	A	1	81	-3.81	0.03	0.92
v35380	B	0	9	-4.65	0.20	0.59
v35380	C	0	3	-4.60	0.18	0.54
v35406	A	1	90	-3.86	0.04	0.99
v35406	B	0	0	0.00	0.00	0.00
v35406	C	0	4	-4.74	0.31	0.52
v35407	A	1	61	-3.78	0.04	0.92
v35407	B	0	21	-4.15	0.12	0.91
v35407	C	0	12	-4.81	0.23	0.55

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v35408	A	1	82	-3.80	0.04	0.92
v35408	B	0	4	-4.63	0.32	0.58
v35408	C	0	8	-4.68	0.43	0.70
v35409	A	1	63	-3.79	0.04	0.89
v35409	B	0	25	-4.09	0.07	0.93
v35409	C	0	5	-4.32	0.14	0.72
v35410	A	1	82	-3.80	0.03	0.91
v35410	B	0	10	-4.62	0.29	0.67
v35410	C	0	3	-4.93	0.43	0.46
v35411	A	1	67	-3.77	0.03	0.86
v35411	B	0	24	-4.10	0.12	0.95
v35411	C	0	3	-4.53	0.50	0.69
v35412	A	1	61	-3.79	0.04	0.90
v35412	B	0	21	-4.06	0.11	0.97
v35412	C	0	12	-3.97	0.06	1.00
v35413	A	1	84	-3.82	0.04	0.96
v35413	B	0	6	-4.17	0.21	0.88
v35413	C	0	4	-4.10	0.16	0.90
v35414	A	1	46	-3.78	0.06	0.93
v35414	B	0	44	-4.05	0.07	0.98
v35414	C	0	4	-4.61	0.45	0.65
v35415	A	1	79	-3.80	0.04	0.93
v35415	B	0	11	-4.11	0.13	0.92
v35415	C	0	4	-4.64	0.22	0.54
v35416	A	1	79	-3.85	0.05	1.02
v35416	B	0	4	-4.17	0.34	0.92
v35416	C	0	12	-4.25	0.13	0.80
v35417	A	1	76	-3.73	0.03	0.83
v35417	B	0	11	-4.64	0.19	0.59
v35417	C	0	7	-4.46	0.14	0.64
v35418	A	1	91	-3.85	0.05	1.08
v35418	B	0	0	0.00	0.00	0.00
v35418	C	0	3	-5.43	0.65	0.34
v35419	A	1	75	-3.79	0.03	0.89
v35419	B	0	16	-4.41	0.18	0.76
v35419	C	0	3	-4.39	0.42	0.76
v35420	A	1	75	-3.76	0.03	0.85
v35420	B	0	12	-4.40	0.19	0.75
v35420	C	0	7	-4.46	0.38	0.80
v35421	A	1	84	-3.81	0.03	0.89
v35421	B	0	1	-5.17	0.00	0.30
v35421	C	0	10	-4.92	0.25	0.48

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v35422	A	1	81	-3.77	0.02	0.86
v35422	B	0	7	-4.04	0.13	0.96
v35422	C	0	6	-4.50	0.19	0.63
v35423	A	1	45	-3.77	0.04	0.88
v35423	B	0	10	-4.50	0.25	0.70
v35423	C	0	40	-4.01	0.05	0.99
v35424	A	1	71	-3.87	0.04	0.98
v35424	B	0	18	-4.51	0.19	0.73
v35424	C	0	5	-4.79	0.34	0.53
v35425	A	1	65	-3.84	0.04	0.94
v35425	B	0	22	-4.37	0.13	0.76
v35425	C	0	7	-4.29	0.39	0.94
v35451	A	1	65	-3.77	0.03	0.87
v35451	B	0	3	-4.15	0.37	0.92
v35451	C	0	25	-4.21	0.09	0.83
v35452	A	1	82	-3.77	0.02	0.85
v35452	B	0	8	-4.62	0.24	0.61
v35452	C	0	4	-3.78	0.03	1.19
v35453	A	1	66	-3.90	0.05	1.03
v35453	B	0	18	-4.29	0.13	0.81
v35453	C	0	10	-4.23	0.17	0.84
v35454	A	1	78	-3.79	0.03	0.89
v35454	B	0	8	-4.20	0.19	0.86
v35454	C	0	9	-4.42	0.18	0.70
v35455	A	1	52	-3.73	0.03	0.82
v35455	B	0	22	-4.50	0.15	0.71
v35455	C	0	20	-4.44	0.12	0.69
v35456	A	1	86	-3.83	0.04	0.96
v35456	B	0	3	-5.37	0.39	0.28
v35456	C	0	6	-4.88	0.36	0.49
v35457	A	1	74	-3.88	0.07	1.38
v35457	B	0	8	-4.51	0.24	0.69
v35457	C	0	12	-4.59	0.33	0.76
v35458	A	1	77	-3.79	0.03	0.90
v35458	B	0	9	-4.22	0.16	0.84
v35458	C	0	8	-4.33	0.15	0.73
v35459	A	1	81	-3.81	0.04	0.95
v35459	B	0	5	-5.41	0.89	0.69
v35459	C	0	8	-4.61	0.34	0.69
v35460	A	1	31	-3.83	0.06	0.94
v35460	B	0	55	-4.06	0.10	1.03
v35460	C	0	9	-4.19	0.18	0.88

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v35461	A	1	57	-3.85	0.05	0.97
v35461	B	0	1	-4.89	0.00	0.39
v35461	C	0	36	-4.10	0.14	1.02
v35462	A	1	63	-3.85	0.04	0.95
v35462	B	0	3	-4.37	0.27	0.71
v35462	C	0	28	-4.12	0.09	0.92
v35463	A	1	81	-3.83	0.04	0.95
v35463	B	0	6	-4.59	0.18	0.57
v35463	C	0	6	-4.25	0.26	0.87
v35464	A	1	45	-3.75	0.04	0.86
v35464	B	0	31	-4.10	0.08	0.93
v35464	C	0	18	-4.10	0.13	0.97
v35465	A	1	81	-3.83	0.04	0.98
v35465	B	0	5	-5.14	0.58	0.46
v35465	C	0	8	-4.23	0.17	0.83
v35466	A	1	84	-3.87	0.04	1.00
v35466	B	0	5	-5.09	0.18	0.34
v35466	C	0	5	-5.28	0.42	0.38
v35467	A	1	72	-3.89	0.05	1.04
v35467	B	0	20	-4.30	0.14	0.80
v35467	C	0	2	-4.54	0.10	0.56
v35468	A	1	80	-3.82	0.03	0.92
v35468	B	0	2	-3.97	0.13	0.99
v35468	C	0	12	-4.33	0.17	0.77
v35469	A	1	82	-3.89	0.05	1.11
v35469	B	0	5	-5.36	0.48	0.36
v35469	C	0	7	-4.39	0.32	0.81
v35470	A	1	86	-3.86	0.04	0.98
v35470	B	0	2	-4.03	0.07	0.93
v35470	C	0	6	-4.93	0.28	0.45
v35496	A	1	85	-3.81	0.03	0.90
v35496	B	0	6	-4.76	0.24	0.52
v35496	C	0	4	-4.17	0.25	0.88
v35497	A	1	78	-3.81	0.04	0.93
v35497	B	0	5	-4.41	0.19	0.67
v35497	C	0	11	-4.21	0.18	0.87
v35498	A	1	63	-3.81	0.05	0.94
v35498	B	0	11	-3.93	0.07	1.04
v35498	C	0	20	-4.29	0.17	0.86
v35499	A	1	73	-3.84	0.05	1.03
v35499	B	0	15	-4.25	0.10	0.79
v35499	C	0	6	-4.85	0.08	0.41

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v35500	A	1	74	-3.82	0.05	0.98
v35500	B	0	7	-4.73	0.19	0.52
v35500	C	0	12	-4.61	0.19	0.62
v35501	A	1	71	-3.77	0.04	0.90
v35501	B	0	15	-4.78	0.28	0.66
v35501	C	0	8	-5.23	0.22	0.32
v35502	A	1	54	-3.81	0.05	0.95
v35502	B	0	20	-4.11	0.09	0.90
v35502	C	0	20	-4.17	0.11	0.88
v35503	A	1	72	-3.88	0.04	1.01
v35503	B	0	5	-4.86	0.13	0.42
v35503	C	0	17	-4.06	0.11	0.98
v35504	A	1	85	-3.79	0.03	0.90
v35504	B	0	4	-4.46	0.13	0.62
v35504	C	0	5	-4.63	0.30	0.59
v35505	A	1	79	-3.80	0.03	0.90
v35505	B	0	9	-4.32	0.25	0.84
v35505	C	0	3	-4.88	0.54	0.50
v35506	A	1	83	-3.84	0.04	1.01
v35506	B	0	9	-4.77	0.39	0.64
v35506	C	0	3	-5.10	0.21	0.33
v35507	A	1	90	-3.76	0.03	0.85
v35507	B	0	2	-4.81	0.71	0.54
v35507	C	0	3	-4.67	0.64	0.66
v35508	A	1	87	-3.81	0.03	0.90
v35508	B	0	4	-4.71	0.28	0.52
v35508	C	0	3	-5.66	0.88	0.31
v35509	A	1	84	-3.80	0.03	0.90
v35509	B	0	7	-4.45	0.17	0.67
v35509	C	0	4	-5.20	0.53	0.41
v35510	A	1	72	-3.79	0.03	0.89
v35510	B	0	4	-4.49	0.23	0.63
v35510	C	0	18	-4.28	0.14	0.83
v35511	A	1	67	-3.74	0.03	0.83
v35511	B	0	19	-4.27	0.11	0.80
v35511	C	0	8	-4.13	0.21	0.93
v35512	A	1	89	-3.81	0.03	0.92
v35512	B	0	6	-4.52	0.32	0.68
v35512	C	0	0	0.00	0.00	0.00
v35513	A	1	72	-3.78	0.04	0.91
v35513	B	0	15	-4.26	0.13	0.81
v35513	C	0	7	-4.19	0.17	0.86

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v35514	A	1	76	-3.78	0.04	0.89
v35514	B	0	12	-4.27	0.13	0.79
v35514	C	0	6	-4.75	0.24	0.52
v35515	A	1	69	-3.87	0.05	1.02
v35515	B	0	18	-4.16	0.12	0.89
v35515	C	0	7	-4.59	0.24	0.62
v35541	A	1	2061	-3.80	0.01	0.83
v35541	B	0	252	-4.60	0.05	0.78
v35541	C	0	1501	-4.07	0.01	1.14
v35542	A	1	82	-3.79	0.03	0.88
v35542	B	0	9	-4.86	0.53	0.78
v35542	C	0	3	-5.12	0.75	0.49
v35543	A	1	92	-3.84	0.04	0.96
v35543	B	0	1	-5.52	0.00	0.21
v35543	C	0	1	-4.89	0.00	0.39
v35544	A	1	57	-3.80	0.04	0.91
v35544	B	0	10	-4.86	0.29	0.56
v35544	C	0	28	-4.08	0.07	0.93
v35545	A	1	71	-3.75	0.02	0.83
v35545	B	0	16	-4.05	0.09	0.96
v35545	C	0	7	-4.18	0.20	0.88
v35546	A	1	39	-3.87	0.09	1.27
v35546	B	0	28	-3.91	0.05	1.07
v35546	C	0	27	-4.04	0.06	0.95
v35547	A	1	78	-3.85	0.04	0.97
v35547	B	0	4	-4.45	0.11	0.62
v35547	C	0	12	-4.44	0.07	0.63
v35548	A	1	83	-3.86	0.03	0.95
v35548	B	0	6	-4.39	0.25	0.74
v35548	C	0	4	-4.99	0.41	0.45
v35549	A	1	92	-3.79	0.03	0.89
v35549	B	0	1	-4.26	0.00	0.74
v35549	C	0	1	-4.10	0.00	0.86
v35550	A	1	60	-3.78	0.04	0.89
v35550	B	0	23	-4.17	0.08	0.86
v35550	C	0	11	-4.56	0.17	0.63
v35551	A	1	87	-3.88	0.04	1.00
v35551	B	0	5	-4.60	0.30	0.62
v35551	C	0	2	-4.35	0.09	0.68
v35552	A	1	79	-3.79	0.04	0.91
v35552	B	0	11	-4.63	0.29	0.68
v35552	C	0	5	-4.29	0.20	0.77

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v35553	A	1	84	-3.82	0.04	0.98
v35553	B	0	2	-4.35	0.09	0.68
v35553	C	0	8	-4.80	0.29	0.53
v35554	A	1	71	-3.77	0.03	0.87
v35554	B	0	18	-4.13	0.13	0.93
v35554	C	0	5	-4.33	0.16	0.72
v35555	A	1	81	-3.81	0.04	0.92
v35555	B	0	5	-4.57	0.38	0.67
v35555	C	0	8	-4.53	0.19	0.63
v35556	A	1	80	-3.89	0.06	1.33
v35556	B	0	6	-5.21	0.44	0.43
v35556	C	0	8	-4.38	0.21	0.74
v35557	A	1	86	-3.81	0.03	0.91
v35557	B	0	3	-4.11	0.09	0.86
v35557	C	0	6	-4.44	0.27	0.72
v35558	A	1	81	-3.85	0.03	0.96
v35558	B	0	2	-4.44	0.00	0.62
v35558	C	0	11	-4.70	0.20	0.57
v35559	A	1	40	-3.77	0.05	0.87
v35559	B	0	25	-3.98	0.09	1.04
v35559	C	0	26	-4.10	0.09	0.93
v35560	A	1	85	-3.84	0.04	0.96
v35560	B	0	4	-5.66	0.77	0.37
v35560	C	0	6	-4.91	0.11	0.40
v35586	A	1	59	-3.80	0.06	1.06
v35586	B	0	33	-4.21	0.13	0.92
v35586	C	0	2	-5.20	0.32	0.30
v35587	A	1	59	-3.74	0.03	0.83
v35587	B	0	6	-4.06	0.12	0.93
v35587	C	0	30	-4.28	0.11	0.82
v35588	A	1	81	-3.85	0.04	0.98
v35588	B	0	6	-4.69	0.36	0.64
v35588	C	0	8	-4.42	0.11	0.65
v35589	A	1	91	-3.81	0.03	0.91
v35589	B	0	1	-4.64	0.00	0.50
v35589	C	0	3	-5.37	0.39	0.28
v35590	A	1	39	-3.92	0.09	1.19
v35590	B	0	38	-4.09	0.07	0.93
v35590	C	0	18	-4.32	0.19	0.81
v35591	A	1	79	-3.85	0.04	0.96
v35591	B	0	12	-4.44	0.18	0.71
v35591	C	0	2	-4.81	0.71	0.54

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v35592	A	1	68	-3.79	0.04	0.91
v35592	B	0	22	-4.17	0.13	0.91
v35592	C	0	4	-5.16	0.76	0.51
v35593	A	1	69	-3.82	0.04	0.94
v35593	B	0	21	-4.17	0.11	0.88
v35593	C	0	3	-5.70	0.55	0.24
v35594	A	1	69	-3.87	0.06	1.19
v35594	B	0	12	-4.52	0.23	0.72
v35594	C	0	14	-4.47	0.22	0.75
v35595	A	1	69	-3.83	0.04	0.96
v35595	B	0	9	-4.04	0.13	0.97
v35595	C	0	16	-4.77	0.26	0.63
v35596	A	1	85	-3.77	0.03	0.87
v35596	B	0	6	-4.55	0.21	0.61
v35596	C	0	3	-5.19	0.18	0.30
v35597	A	1	74	-3.79	0.04	0.96
v35597	B	0	8	-4.35	0.17	0.74
v35597	C	0	13	-4.51	0.13	0.63
v35598	A	1	87	-3.82	0.04	0.96
v35598	B	0	4	-5.01	0.37	0.42
v35598	C	0	4	-5.38	0.23	0.26
v35599	A	1	76	-3.79	0.03	0.89
v35599	B	0	4	-4.53	0.28	0.64
v35599	C	0	14	-4.69	0.24	0.62
v35600	A	1	70	-3.73	0.03	0.84
v35600	B	0	18	-4.40	0.17	0.77
v35600	C	0	6	-4.13	0.17	0.90
v35601	A	1	77	-3.78	0.03	0.87
v35601	B	0	13	-4.31	0.23	0.87
v35601	C	0	4	-5.34	0.61	0.44
v35602	A	1	74	-3.81	0.03	0.91
v35602	B	0	12	-4.50	0.29	0.77
v35602	C	0	8	-4.39	0.20	0.73
v35603	A	1	79	-3.87	0.05	1.08
v35603	B	0	8	-4.56	0.26	0.66
v35603	C	0	7	-4.67	0.24	0.57
v35604	A	1	74	-3.82	0.04	0.94
v35604	B	0	3	-4.94	0.51	0.46
v35604	C	0	17	-4.17	0.11	0.87
v35605	A	1	65	-3.83	0.04	0.95
v35605	B	0	20	-4.25	0.13	0.84
v35605	C	0	10	-4.15	0.12	0.87

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v35631	A	1	87	-3.81	0.05	1.03
v35631	B	0	3	-4.33	0.16	0.70
v35631	C	0	3	-4.95	0.31	0.41
v35632	A	1	88	-3.81	0.03	0.92
v35632	B	0	3	-4.24	0.21	0.79
v35632	C	0	4	-5.12	0.40	0.40
v35633	A	1	87	-3.78	0.03	0.87
v35633	B	0	5	-4.82	0.48	0.60
v35633	C	0	3	-5.41	0.12	0.24
v35634	A	1	79	-3.86	0.03	0.96
v35634	B	0	7	-4.45	0.20	0.69
v35634	C	0	7	-4.50	0.23	0.67
v35635	A	1	77	-3.76	0.03	0.85
v35635	B	0	16	-4.53	0.21	0.68
v35635	C	0	2	-4.89	0.00	0.39
v35636	A	1	86	-3.85	0.04	0.96
v35636	B	0	4	-5.85	0.56	0.21
v35636	C	0	4	-5.18	0.46	0.37
v35637	A	1	88	-3.82	0.03	0.92
v35637	B	0	1	-4.26	0.00	0.74
v35637	C	0	6	-4.68	0.38	0.61
v35638	A	1	65	-3.80	0.03	0.90
v35638	B	0	5	-4.59	0.15	0.55
v35638	C	0	24	-4.14	0.12	0.92
v35639	A	1	48	-3.81	0.05	0.94
v35639	B	0	17	-4.12	0.15	0.97
v35639	C	0	30	-3.99	0.08	1.04
v35640	A	1	87	-3.82	0.03	0.92
v35640	B	0	4	-4.11	0.09	0.86
v35640	C	0	4	-5.93	0.34	0.16
v35641	A	1	65	-3.74	0.02	0.82
v35641	B	0	18	-4.55	0.17	0.66
v35641	C	0	11	-4.78	0.14	0.49
v35642	A	1	83	-3.80	0.03	0.90
v35642	B	0	7	-4.94	0.53	0.62
v35642	C	0	4	-5.04	0.32	0.38
v35643	A	1	81	-3.80	0.03	0.90
v35643	B	0	2	-4.64	0.54	0.58
v35643	C	0	11	-4.53	0.24	0.69
v35644	A	1	80	-3.86	0.04	0.99
v35644	B	0	7	-4.46	0.24	0.71
v35644	C	0	8	-4.71	0.24	0.55

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v35645	A	1	77	-3.79	0.03	0.88
v35645	B	0	13	-4.59	0.25	0.69
v35645	C	0	4	-4.87	0.63	0.62
v35646	A	1	81	-3.81	0.03	0.90
v35646	B	0	6	-4.79	0.30	0.53
v35646	C	0	7	-4.48	0.17	0.65
v35647	A	1	74	-3.82	0.05	1.06
v35647	B	0	6	-5.01	0.26	0.42
v35647	C	0	14	-4.27	0.13	0.80
v35648	A	1	81	-3.84	0.05	1.06
v35648	B	0	6	-4.17	0.16	0.85
v35648	C	0	7	-5.11	0.40	0.43
v35649	A	1	87	-3.81	0.03	0.91
v35649	B	0	3	-5.09	0.73	0.48
v35649	C	0	4	-5.02	0.51	0.46
v35650	A	1	76	-3.84	0.04	0.94
v35650	B	0	12	-4.32	0.11	0.74
v35650	C	0	6	-4.28	0.16	0.77
v35676	A	1	39	-3.93	0.08	1.14
v35676	B	0	51	-4.04	0.05	0.97
v35676	C	0	4	-4.37	0.24	0.72
v35677	A	1	72	-3.85	0.04	0.97
v35677	B	0	16	-4.37	0.17	0.77
v35677	C	0	6	-4.44	0.24	0.70
v35678	A	1	73	-3.80	0.04	0.90
v35678	B	0	3	-3.94	0.16	1.04
v35678	C	0	18	-4.32	0.13	0.78
v35679	A	1	76	-3.77	0.03	0.88
v35679	B	0	13	-4.30	0.22	0.85
v35679	C	0	6	-4.57	0.28	0.64
v35680	A	1	78	-3.80	0.03	0.89
v35680	B	0	8	-4.59	0.32	0.68
v35680	C	0	9	-4.31	0.21	0.82
v35681	A	1	80	-3.80	0.03	0.90
v35681	B	0	6	-4.83	0.24	0.49
v35681	C	0	9	-4.61	0.23	0.62
v35682	A	1	76	-3.82	0.04	0.93
v35682	B	0	14	-4.76	0.32	0.66
v35682	C	0	5	-4.56	0.29	0.64
v35683	A	1	87	-3.78	0.03	0.88
v35683	B	0	7	-4.31	0.11	0.73
v35683	C	0	9	-4.92	0.38	0.57

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v35684	A	1	71	-3.86	0.05	1.01
v35684	B	0	16	-4.04	0.07	0.95
v35684	C	0	8	-4.16	0.18	0.89
v35685	A	1	69	-3.78	0.03	0.87
v35685	B	0	18	-4.29	0.12	0.80
v35685	C	0	7	-4.58	0.26	0.64
v35686	A	1	73	-3.83	0.05	1.08
v35686	B	0	10	-4.13	0.13	0.90
v35686	C	0	10	-4.09	0.12	0.92
v35687	A	1	78	-3.86	0.04	0.97
v35687	B	0	3	-4.11	0.39	0.97
v35687	C	0	13	-4.49	0.26	0.74
v35688	A	1	87	-3.86	0.05	1.04
v35688	B	0	1	-6.52	0.00	0.08
v35688	C	0	5	-5.36	0.22	0.27
v35689	A	1	84	-3.81	0.03	0.91
v35689	B	0	7	-4.65	0.38	0.68
v35689	C	0	3	-4.11	0.09	0.86
v35690	A	1	87	-3.86	0.05	1.10
v35690	B	0	2	-4.96	1.00	0.56
v35690	C	0	5	-4.95	0.25	0.41
v35691	A	1	35	-3.81	0.07	0.96
v35691	B	0	10	-4.56	0.19	0.64
v35691	C	0	49	-3.92	0.04	1.06
v35692	A	1	84	-3.83	0.04	0.97
v35692	B	0	3	-4.90	0.15	0.40
v35692	C	0	8	-4.76	0.29	0.58
v35693	A	1	83	-3.80	0.04	0.92
v35693	B	0	5	-4.65	0.27	0.57
v35693	C	0	6	-4.54	0.19	0.61
v35694	A	1	78	-3.75	0.02	0.83
v35694	B	0	9	-4.22	0.15	0.83
v35694	C	0	7	-4.57	0.27	0.67
v35695	A	1	83	-3.87	0.04	1.00
v35695	B	0	6	-4.40	0.25	0.74
v35695	C	0	6	-5.47	0.41	0.29
v35721	A	1	76	-3.86	0.04	0.99
v35721	B	0	13	-4.48	0.15	0.66
v35721	C	0	5	-5.50	0.34	0.26
v35722	A	1	56	-3.83	0.07	1.07
v35722	B	0	23	-4.01	0.07	0.99
v35722	C	0	15	-4.15	0.09	0.86

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v35723	A	1	47	-3.76	0.05	0.88
v35723	B	0	19	-4.06	0.10	0.98
v35723	C	0	28	-4.08	0.08	0.95
v35724	A	1	89	-3.86	0.04	0.99
v35724	B	0	4	-4.34	0.41	0.83
v35724	C	0	1	-4.26	0.00	0.74
v35725	A	1	82	-3.93	0.05	1.14
v35725	B	0	7	-4.72	0.34	0.60
v35725	C	0	5	-5.30	0.39	0.35
v35726	A	1	74	-3.78	0.03	0.88
v35726	B	0	8	-4.38	0.23	0.76
v35726	C	0	9	-4.33	0.13	0.73
v35727	A	1	89	-3.75	0.02	0.84
v35727	B	0	4	-5.91	0.44	0.20
v35727	C	0	2	-4.72	0.46	0.52
v35728	A	1	58	-3.81	0.06	1.07
v35728	B	0	24	-3.99	0.09	1.03
v35728	C	0	12	-4.03	0.10	0.97
v35729	A	1	61	-3.75	0.04	0.86
v35729	B	0	13	-4.52	0.24	0.74
v35729	C	0	20	-4.15	0.08	0.87
v35730	A	1	39	-3.89	0.07	1.05
v35730	B	0	22	-4.00	0.10	1.03
v35730	C	0	34	-4.06	0.08	0.98
v35731	A	1	83	-3.80	0.03	0.91
v35731	B	0	5	-4.47	0.29	0.69
v35731	C	0	7	-4.14	0.13	0.87
v35732	A	1	88	-3.81	0.03	0.90
v35732	B	0	4	-4.94	0.59	0.56
v35732	C	0	2	-5.35	0.17	0.25
v35733	A	1	82	-3.82	0.03	0.91
v35733	B	0	7	-4.77	0.35	0.59
v35733	C	0	5	-4.79	0.32	0.53
v35734	A	1	88	-3.83	0.04	0.95
v35734	B	0	5	-4.84	0.41	0.57
v35734	C	0	1	-4.89	0.00	0.39
v35735	A	1	80	-3.89	0.04	1.04
v35735	B	0	3	-4.84	0.41	0.49
v35735	C	0	10	-4.66	0.14	0.54
v35736	A	1	91	-3.85	0.03	0.96
v35736	B	0	2	-5.52	0.00	0.21
v35736	C	0	1	-3.96	0.00	0.99

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v35737	A	1	87	-3.80	0.03	0.90
v35737	B	0	2	-5.42	0.53	0.26
v35737	C	0	6	-4.61	0.14	0.55
v35738	A	1	82	-3.80	0.03	0.89
v35738	B	0	4	-4.28	0.24	0.78
v35738	C	0	6	-4.50	0.24	0.66
v35739	A	1	86	-3.86	0.04	1.05
v35739	B	0	7	-4.64	0.32	0.61
v35739	C	0	1	-5.52	0.00	0.21
v35740	A	1	89	-3.86	0.04	0.99
v35740	B	0	1	-4.44	0.00	0.62
v35740	C	0	4	-4.80	0.29	0.49
v35766	A	1	80	-3.83	0.04	0.96
v35766	B	0	11	-4.46	0.18	0.71
v35766	C	0	4	-4.87	0.22	0.43
v35767	A	1	44	-3.84	0.06	0.99
v35767	B	0	17	-4.24	0.07	0.78
v35767	C	0	33	-4.02	0.09	1.02
v35768	A	1	81	-3.80	0.03	0.90
v35768	B	0	8	-4.77	0.30	0.56
v35768	C	0	5	-4.16	0.14	0.84
v35769	A	1	66	-3.73	0.03	0.83
v35769	B	0	11	-4.40	0.25	0.79
v35769	C	0	17	-4.24	0.13	0.85
v35770	A	1	69	-3.79	0.04	0.91
v35770	B	0	12	-4.16	0.12	0.87
v35770	C	0	13	-4.38	0.14	0.73
v35771	A	1	52	-3.88	0.06	1.05
v35771	B	0	29	-3.96	0.05	1.02
v35771	C	0	13	-4.28	0.11	0.77
v35772	A	1	66	-3.85	0.05	1.03
v35772	B	0	22	-4.02	0.07	0.99
v35772	C	0	6	-4.72	0.30	0.57
v35773	A	1	80	-3.81	0.04	0.97
v35773	B	0	10	-4.36	0.14	0.73
v35773	C	0	5	-4.72	0.23	0.52
v35774	A	1	83	-3.79	0.03	0.88
v35774	B	0	8	-4.31	0.15	0.75
v35774	C	0	3	-4.41	0.38	0.72
v35775	A	1	74	-3.79	0.04	0.91
v35775	B	0	10	-4.61	0.23	0.64
v35775	C	0	4	-4.87	0.24	0.43

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v35776	A	1	67	-3.79	0.04	0.89
v35776	B	0	21	-4.29	0.12	0.80
v35776	C	0	6	-4.29	0.17	0.77
v35777	A	1	27	-3.88	0.09	1.07
v35777	B	0	62	-3.97	0.05	1.04
v35777	C	0	5	-4.82	0.32	0.50
v35778	A	1	28	-3.78	0.06	0.89
v35778	B	0	30	-3.98	0.06	1.01
v35778	C	0	35	-4.02	0.07	1.00
v35779	A	1	86	-3.83	0.04	0.96
v35779	B	0	7	-4.11	0.20	0.95
v35779	C	0	1	-4.26	0.00	0.74
v35780	A	1	85	-3.92	0.05	1.14
v35780	B	0	5	-4.04	0.18	0.98
v35780	C	0	4	-4.08	0.11	0.90
v35781	A	1	89	-3.87	0.04	0.98
v35781	B	0	2	-4.66	0.22	0.51
v35781	C	0	3	-4.39	0.13	0.66
v35782	A	1	68	-3.94	0.05	1.12
v35782	B	0	12	-4.34	0.29	0.87
v35782	C	0	11	-4.39	0.16	0.72
v35783	A	1	69	-3.77	0.04	0.89
v35783	B	0	9	-4.41	0.21	0.73
v35783	C	0	17	-4.23	0.15	0.87
v35784	A	1	84	-3.77	0.03	0.86
v35784	B	0	4	-4.73	0.26	0.52
v35784	C	0	7	-4.39	0.16	0.70
v35785	A	1	87	-3.86	0.04	1.06
v35785	B	0	4	-4.47	0.26	0.66
v35785	C	0	4	-4.67	0.17	0.51
v35811	A	1	78	-3.82	0.04	0.97
v35811	B	0	13	-4.28	0.17	0.83
v35811	C	0	3	-4.54	0.35	0.64
v35812	A	1	61	-3.86	0.05	1.03
v35812	B	0	31	-4.10	0.08	0.94
v35812	C	0	1	-4.26	0.00	0.74
v35813	A	1	49	-3.74	0.04	0.85
v35813	B	0	7	-4.19	0.18	0.86
v35813	C	0	38	-4.08	0.07	0.95
v35814	A	1	86	-3.96	0.06	1.40
v35814	B	0	6	-4.25	0.10	0.76
v35814	C	0	2	-4.66	0.22	0.51

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v35815	A	1	85	-3.84	0.04	0.96
v35815	B	0	7	-4.40	0.36	0.81
v35815	C	0	2	-4.44	0.00	0.62
v35816	A	1	67	-3.86	0.06	1.14
v35816	B	0	15	-4.45	0.19	0.73
v35816	C	0	12	-4.44	0.20	0.72
v35817	A	1	49	-3.77	0.04	0.88
v35817	B	0	22	-4.12	0.08	0.90
v35817	C	0	24	-4.17	0.10	0.88
v35818	A	1	54	-3.74	0.03	0.84
v35818	B	0	33	-4.13	0.09	0.93
v35818	C	0	7	-4.98	0.38	0.52
v35819	A	1	63	-3.84	0.05	1.02
v35819	B	0	23	-4.15	0.10	0.90
v35819	C	0	8	-4.30	0.17	0.77
v35820	A	1	82	-3.80	0.03	0.90
v35820	B	0	5	-4.62	0.21	0.56
v35820	C	0	8	-4.85	0.31	0.54
v35821	A	1	81	-3.79	0.03	0.89
v35821	B	0	2	-4.14	0.30	0.87
v35821	C	0	12	-4.44	0.19	0.72
v35822	A	1	71	-3.86	0.05	1.01
v35822	B	0	16	-4.84	0.30	0.64
v35822	C	0	6	-4.52	0.17	0.61
v35823	A	1	80	-3.84	0.04	0.95
v35823	B	0	7	-4.43	0.18	0.68
v35823	C	0	7	-4.92	0.20	0.42
v35824	A	1	84	-3.86	0.05	1.12
v35824	B	0	5	-4.95	0.10	0.38
v35824	C	0	5	-4.73	0.37	0.58
v35825	A	1	75	-3.83	0.04	0.94
v35825	B	0	11	-4.76	0.23	0.57
v35825	C	0	8	-4.73	0.42	0.67
v35826	A	1	81	-3.79	0.03	0.90
v35826	B	0	5	-4.39	0.21	0.70
v35826	C	0	9	-4.31	0.18	0.78
v35827	A	1	73	-3.78	0.04	0.90
v35827	B	0	3	-5.00	0.18	0.36
v35827	C	0	19	-4.04	0.08	0.96
v35828	A	1	81	-3.84	0.04	0.94
v35828	B	0	5	-5.08	0.26	0.37
v35828	C	0	7	-4.82	0.45	0.59

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v35829	A	1	70	-3.81	0.05	0.95
v35829	B	0	13	-4.32	0.13	0.76
v35829	C	0	12	-4.52	0.24	0.71
v35830	A	1	75	-3.80	0.04	0.91
v35830	B	0	8	-4.57	0.14	0.58
v35830	C	0	11	-3.98	0.13	1.04
v35856	A	1	78	-3.83	0.04	0.96
v35856	B	0	13	-4.46	0.24	0.78
v35856	C	0	3	-3.98	0.14	0.99
v35857	A	1	79	-3.93	0.05	1.19
v35857	B	0	6	-4.56	0.31	0.67
v35857	C	0	10	-4.12	0.12	0.90
v35858	A	1	73	-3.80	0.04	0.93
v35858	B	0	15	-4.59	0.23	0.69
v35858	C	0	7	-4.33	0.23	0.78
v35859	A	1	86	-3.83	0.03	0.93
v35859	B	0	5	-4.57	0.20	0.58
v35859	C	0	3	-4.77	0.27	0.48
v35860	A	1	65	-3.72	0.02	0.81
v35860	B	0	6	-4.54	0.31	0.69
v35860	C	0	24	-4.13	0.09	0.90
v35861	A	1	80	-3.80	0.03	0.88
v35861	B	0	7	-5.14	0.28	0.37
v35861	C	0	7	-4.14	0.14	0.87
v35862	A	1	81	-3.76	0.03	0.86
v35862	B	0	10	-4.18	0.13	0.85
v35862	C	0	3	-4.21	0.11	0.78
v35863	A	1	41	-3.87	0.07	1.04
v35863	B	0	40	-3.96	0.07	1.06
v35863	C	0	13	-4.41	0.14	0.71
v35864	A	1	44	-3.73	0.03	0.83
v35864	B	0	39	-4.17	0.08	0.88
v35864	C	0	12	-4.68	0.26	0.65
v35865	A	1	51	-3.74	0.03	0.84
v35865	B	0	9	-4.31	0.22	0.80
v35865	C	0	34	-4.24	0.12	0.87
v35866	A	1	88	-3.78	0.03	0.89
v35866	B	0	1	-3.72	0.00	1.26
v35866	C	0	5	-5.12	0.49	0.47
v35867	A	1	49	-3.88	0.06	1.06
v35867	B	0	28	-4.21	0.11	0.88
v35867	C	0	16	-4.17	0.19	0.96

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v35868	A	1	63	-3.80	0.04	0.90
v35868	B	0	19	-4.50	0.20	0.72
v35868	C	0	13	-4.48	0.15	0.66
v35869	A	1	75	-3.72	0.02	0.81
v35869	B	0	15	-4.64	0.22	0.63
v35869	C	0	5	-4.47	0.29	0.69
v35870	A	1	88	-3.80	0.03	0.89
v35870	B	0	2	-4.62	0.90	0.73
v35870	C	0	4	-5.19	0.47	0.37
v35871	A	1	80	-3.75	0.03	0.85
v35871	B	0	5	-4.34	0.18	0.72
v35871	C	0	9	-4.88	0.16	0.44
v35872	A	1	79	-3.84	0.04	1.00
v35872	B	0	7	-4.32	0.13	0.73
v35872	C	0	8	-4.44	0.20	0.70
v35873	A	1	64	-3.82	0.05	0.95
v35873	B	0	19	-4.05	0.11	0.98
v35873	C	0	10	-4.57	0.13	0.58
v35874	A	1	84	-3.87	0.04	1.01
v35874	B	0	4	-4.94	0.25	0.41
v35874	C	0	5	-5.24	0.23	0.31
v35875	A	1	84	-3.82	0.04	0.95
v35875	B	0	4	-4.47	0.18	0.62
v35875	C	0	7	-4.14	0.16	0.89

Table 3

Test Information Summary

Form	Mean measure
Form 1	-0.07
Form 2	-0.05
Form 3	-0.06
Form 4	-0.06
Form 5	-0.06
Form 6	-0.03
Form 7	-0.04
Form 8	-0.08
Form 9	-0.07
Form 10	-0.05
Benchmark 1	-0.07
Benchmark 2	-0.06
Benchmark 3	-0.06

Figure 1. Test Information Function of Grade 3 Vocabulary Measures
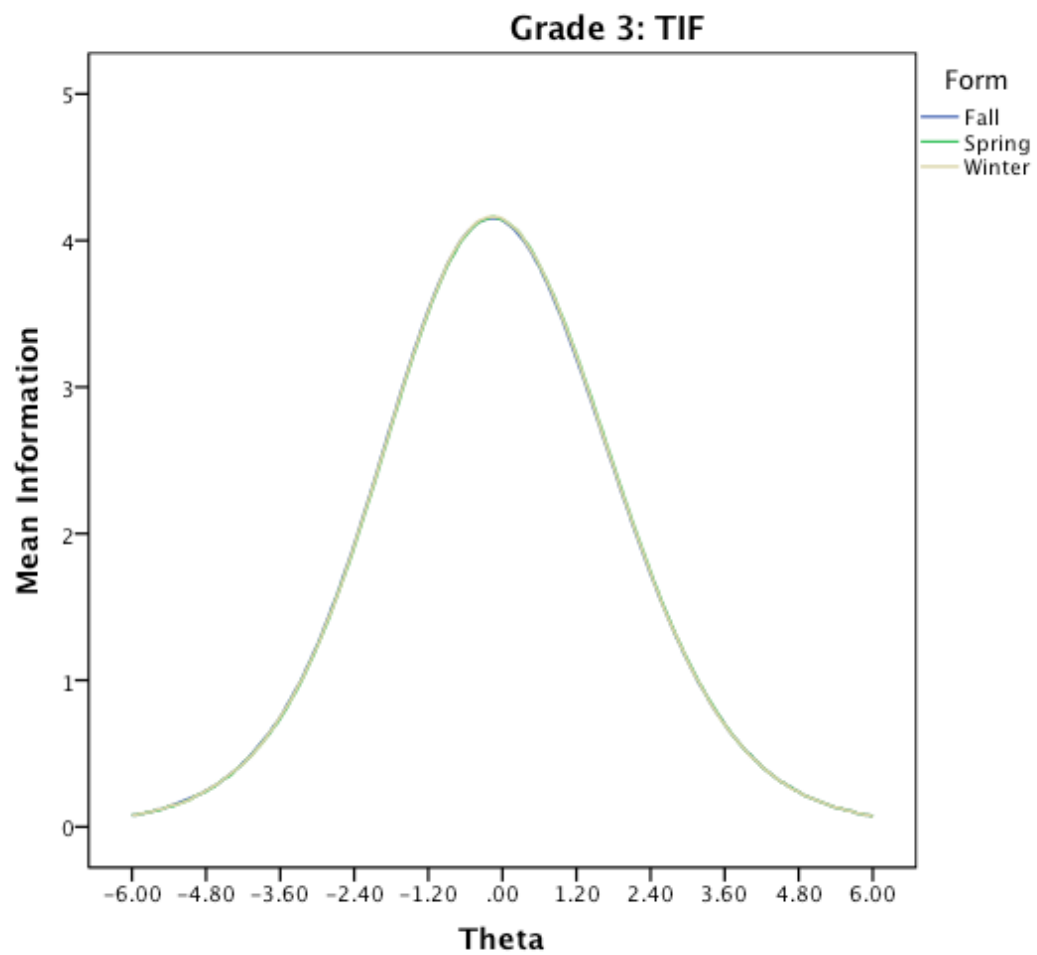
Figure 2. Test Characteristics Curve of Grade 3 Vocabulary Measures