The Development of CBM Vocabulary Measures:

Grade 4

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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$^{\text{TM}}$, 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 4 (Technical Report 1211)

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.
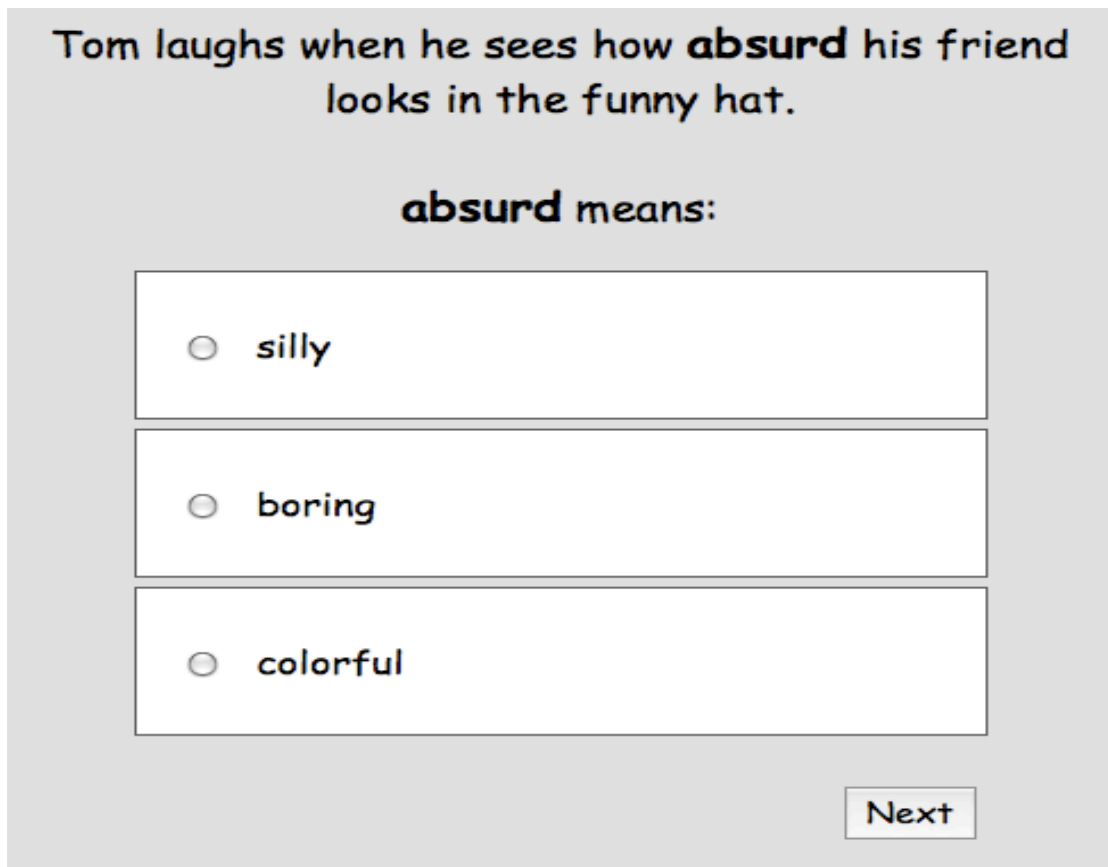
In writing the distractors, item writers were reminded to maintain three answer choices

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.

Tom laughs when he sees how **absurd** his friend looks in the funny hat.

absurd means:

- ○ silly
- ○ boring
- ○ colorful

Next

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 4, a number of extremely easy items were identified through

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

in fourth grade.

Of the Grade 4 items, 122 were over-fit (Mean Square Outfit ranging from 0.11 to 0.49

with an average Mean Square Outfit of 0.34). All 122 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 8.78 with an average Mean Square Outfit of 2.00).

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

(students with the highest average estimated ability did not select the correct answer choice,

while students with lower estimated ability selected the correct answer choice), all under-fit

items were removed from the Grade 4 item bank. Additionally, there was one item where both

distractors (incorrect answer options) were not chosen by any student. This item was removed

from the Grade 4 item bank because both distractors were not functioning as intended. In all, 27 items were removed from the Grade 4 item bank because distractor analysis indicated inadequate item and/or distractor functioning. Table 1 presents the results of the Rasch analysis for the Grade 4 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 fourth grade, resulting in a total of 13 fourth-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 -0.09 to -0.05, with an average of -0.07 across all ten forms. Mean measure of the Vocabulary Benchmark measures range from -0.06 to -0.05, 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 fourth grade.

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Table 1a
Item Information and Statistics, Gr4Vocab1 (Mean Measure = -0.08)

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
1	Vocab_Item_45181	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-2.05	89	0.64	0.12	1.21
2	Vocab_Item_45010	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-1.70	89	0.54	0.26	1.16
3	Vocab_Item_45692	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.91	89	0.39	0.82	1.07
4	Vocab_Item_55187	EL.05.RE.11 Determine meanings of words using contextual and structural clues.	-0.86	78	0.47	0.52	1.10
5	Vocab_Item_45694	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	0.56	89	0.32	0.86	1.10
6	Vocab_Item_45594	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	0.65	89	0.28	0.79	1.11
7	Vocab_Item_45047	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	1.50	89	0.25	1.21	0.53
8	Vocab_Item_45335	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	1.66	89	0.25	0.96	1.06
9	Vocab_Item_55144	EL.05.RE.12 Understand and explain frequently used synonyms, antonyms, and homographs.	-1.53	78	0.53	0.45	1.07
10	Vocab_Item_45466	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-1.36	89	0.49	0.51	1.04

Table 1a
Item Information and Statistics, Gr4Vocab1 (Mean Measure = -0.08) Cont.

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
11	Vocab_Item_45511	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-0.61	89	0.35	1.37	0.93
12	Vocab_Item_45814	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.47	89	0.37	0.68	1.10
13	Vocab_Item_45365	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	0.78	89	0.27	1.24	0.56
14	Vocab_Item_45108	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.14	89	0.31	1.44	0.65
15	Vocab_Item_45417	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	2.06	89	0.26	1.12	0.79
16	Vocab_Item_45048	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	1.26	89	0.27	1.33	0.40
17	Vocab_Item_45379	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-0.03	89	0.34	0.93	1.01
18	Vocab_Item_45825	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.98	89	0.28	0.85	1.16
19	Vocab_Item_45366	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.34	88	0.34	0.98	1.02
20	Vocab_Item_45098	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-1.23	89	0.44	0.41	1.19

Table 1b
Item Information and Statistics, Gr4Vocab2 (Mean Measure = -0.09)

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
1	Vocab_Item_45181	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-2.05	89	0.64	0.12	1.21
2	Vocab_Item_45369	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-2.02	84	0.64	0.21	1.15
3	Vocab_Item_45692	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.91	89	0.39	0.82	1.07
4	Vocab_Item_45686	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.91	89	0.40	0.62	1.04
5	Vocab_Item_45694	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	0.56	89	0.32	0.86	1.10
6	Vocab_Item_45192	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	0.56	89	0.27	0.74	1.29
7	Vocab_Item_45047	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	1.50	89	0.25	1.21	0.53
8	Vocab_Item_45092	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	1.50	88	0.27	0.90	1.13
9	Vocab_Item_55102	EL.05.RE.12 Understand and explain frequently used synonyms, antonyms, and homographs.	-1.55	78	0.54	0.40	1.14
10	Vocab_Item_55770	EL.05.RE.11 Determine meanings of words using contextual and structural clues.	-1.39	78	0.47	0.30	1.20

Table 1b
Item Information and Statistics, Gr4Vocab2 (Mean Measure = -0.09) Cont.

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
11	Vocab_Item_55820	EL.05.RE.12 Understand and explain frequently used synonyms, antonyms, and homographs.	-0.61	78	0.40	0.67	1.07
12	Vocab_Item_45545	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.46	89	0.34	1.29	0.87
13	Vocab_Item_45104	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	0.78	88	0.29	0.75	1.16
14	Vocab_Item_45239	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.14	88	0.33	0.73	1.09
15	Vocab_Item_45605	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	2.12	89	0.26	0.87	1.34
16	Vocab_Item_45320	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	1.31	88	0.26	1.27	0.61
17	Vocab_Item_45244	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-0.01	89	0.31	0.95	0.97
18	Vocab_Item_45606	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	1.07	89	0.26	1.05	0.93
19	Vocab_Item_45869	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.31	89	0.34	0.81	1.02
20	Vocab_Item_45729	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-1.21	89	0.45	0.34	1.19

Table 1c
Item Information and Statistics, Gr4Vocab3 (Mean Measure = -0.09)

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
1	Vocab_Item_45369	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-2.02	84	0.64	0.21	1.15
2	Vocab_Item_45136	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-1.98	89	0.56	0.31	1.11
3	Vocab_Item_45686	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.91	89	0.40	0.62	1.04
4	Vocab_Item_45828	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-0.91	89	0.41	0.56	1.21
5	Vocab_Item_45192	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	0.56	89	0.27	0.74	1.29
6	Vocab_Item_45241	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.57	89	0.29	1.11	0.92
7	Vocab_Item_45092	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	1.50	88	0.27	0.90	1.13
8	Vocab_Item_45196	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	1.50	89	0.26	0.73	1.51
9	Vocab_Item_45857	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-1.53	89	0.51	0.32	1.10
10	Vocab_Item_55869	EL.05.RE.12 Understand and explain frequently used synonyms, antonyms, and homographs.	-1.35	78	0.48	0.78	1.05

Table 1c
Item Information and Statistics, Gr4Vocab3 (Mean Measure = -0.09) Cont.

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
11	Vocab_Item_45859	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.64	89	0.42	0.25	1.31
12	Vocab_Item_45603	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.51	89	0.40	0.57	1.14
13	Vocab_Item_45318	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	0.82	89	0.27	0.56	1.52
14	Vocab_Item_45858	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	0.18	88	0.31	0.55	1.31
15	Vocab_Item_45874	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	2.18	87	0.25	1.25	0.50
16	Vocab_Item_45560	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	1.26	89	0.27	0.85	1.18
17	Vocab_Item_45464	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.03	89	0.32	0.67	1.22
18	Vocab_Item_45655	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	1.01	89	0.27	1.09	0.89
19	Vocab_Item_45015	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-0.30	89	0.36	0.60	1.13
20	Vocab_Item_45548	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-1.20	89	0.43	0.52	1.15

Table 1d
Item Information and Statistics, Gr4Vocab4 (Mean Measure = -0.08)

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
1	Vocab_Item_45136	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-1.98	89	0.56	0.31	1.11
2	Vocab_Item_45372	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-1.96	88	0.62	0.37	1.07
3	Vocab_Item_45828	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-0.91	89	0.41	0.56	1.21
4	Vocab_Item_55241	EL.05.RE.13 Determine the meanings of figurative expressions, such as those in similes and metaphors.	-0.91	78	0.45	0.55	1.08
5	Vocab_Item_45241	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.57	89	0.29	1.11	0.92
6	Vocab_Item_45470	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.57	89	0.29	0.78	1.21
7	Vocab_Item_45196	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	1.50	89	0.26	0.73	1.51
8	Vocab_Item_45329	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	1.52	89	0.26	0.99	0.95
9	Vocab_Item_55773	EL.05.RE.11 Determine meanings of words using contextual and structural clues.	-1.53	77	0.61	1.04	0.95
10	Vocab_Item_45738	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-1.39	89	0.52	0.71	1.03

Table 1d
Item Information and Statistics, Gr4Vocab4 (Mean Measure = -0.08) Cont.

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
11	Vocab_Item_45454	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.64	89	0.36	0.36	1.29
12	Vocab_Item_55461	EL.05.RE.12 Understand and explain frequently used synonyms, antonyms, and homographs.	-0.51	78	0.38	0.68	1.14
13	Vocab_Item_45233	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	0.84	89	0.29	1.05	0.93
14	Vocab_Item_45242	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.19	90	0.32	1.07	0.85
15	Vocab_Item_45143	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	2.18	89	0.26	1.19	0.86
16	Vocab_Item_45374	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	1.26	89	0.27	0.84	1.22
17	Vocab_Item_45553	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.03	89	0.35	0.53	1.20
18	Vocab_Item_45654	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	1.05	89	0.28	1.27	0.67
19	Vocab_Item_45102	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.29	89	0.35	0.98	1.15
20	Vocab_Item_55549	EL.05.RE.11 Determine meanings of words using contextual and structural clues.	-1.20	78	0.48	0.56	1.09

Table 1e
Item Information and Statistics, Gr4Vocab5 (Mean Measure = -0.09)

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
1	Vocab_Item_45372	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-1.96	88	0.62	0.37	1.07
2	Vocab_Item_45682	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-1.96	91	0.54	0.37	1.13
3	Vocab_Item_55241	EL.05.RE.13 Determine the meanings of figurative expressions, such as those in similes and metaphors.	-0.91	78	0.45	0.55	1.08
4	Vocab_Item_45546	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.90	89	0.47	1.00	1.07
5	Vocab_Item_45470	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.57	89	0.29	0.78	1.21
6	Vocab_Item_45153	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.57	89	0.29	0.76	1.17
7	Vocab_Item_45329	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	1.52	89	0.26	0.99	0.95
8	Vocab_Item_45610	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	1.52	89	0.25	0.96	1.14
9	Vocab_Item_55463	EL.05.RE.12 Understand and explain frequently used synonyms, antonyms, and homographs.	-1.53	78	0.54	0.49	1.08
10	Vocab_Item_45641	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-1.37	89	0.50	0.21	1.23

Table 1e
Item Information and Statistics, Gr4Vocab5 (Mean Measure = -0.09) Cont.

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
11	Vocab_Item_45596	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.61	89	0.37	0.66	1.16
12	Vocab_Item_45107	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-0.47	89	0.36	0.67	1.08
13	Vocab_Item_45646	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	0.78	89	0.27	0.86	1.16
14	Vocab_Item_45547	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	0.14	89	0.31	1.32	1.00
15	Vocab_Item_45185	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	2.06	89	0.24	1.07	0.89
16	Vocab_Item_45822	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	1.26	89	0.26	1.11	0.81
17	Vocab_Item_45460	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.03	89	0.32	0.91	0.98
18	Vocab_Item_45146	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	0.99	89	0.28	0.64	1.37
19	Vocab_Item_45690	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.29	89	0.32	0.88	1.08
20	Vocab_Item_55498	EL.05.RE.11 Determine meanings of words using contextual and structural clues.	-1.20	78	0.49	0.55	1.08

Table 1f

Item Information and Statistics, Gr4Vocab6 (Mean Measure = -0.05)

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
1	Vocab_Item_45682	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-1.96	91	0.54	0.37	1.13
2	Vocab_Item_45373	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-1.91	89	0.61	0.93	1.06
3	Vocab_Item_45546	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.90	89	0.47	1.00	1.07
4	Vocab_Item_45638	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.90	88	0.41	0.68	1.12
5	Vocab_Item_45153	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.57	89	0.29	0.76	1.17
6	Vocab_Item_45597	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	0.60	85	0.28	0.95	1.03
7	Vocab_Item_45610	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	1.52	89	0.25	0.96	1.14
8	Vocab_Item_45061	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	1.52	89	0.26	0.90	1.08
9	Vocab_Item_55197	EL.05.RE.13 Determine the meanings of figurative expressions, such as those in similes and metaphors.	-1.55	78	0.54	0.51	1.04
10	Vocab_Item_45513	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-1.39	89	0.53	0.49	1.07

Table 1f
Item Information and Statistics, Gr4Vocab6 (Mean Measure = -0.05) Cont.

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
11	Vocab_Item_55453	EL.05.RE.11 Determine meanings of words using contextual and structural clues.	-0.64	78	0.39	0.54	1.16
12	Vocab_Item_45231	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.49	89	0.36	1.10	0.99
13	Vocab_Item_45550	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	0.89	89	0.30	1.05	0.89
14	Vocab_Item_45499	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	0.23	89	0.29	1.45	0.58
15	Vocab_Item_45451	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	2.43	89	0.26	0.68	1.59
16	Vocab_Item_45771	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	1.31	89	0.26	1.19	0.60
17	Vocab_Item_45236	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.01	89	0.33	0.91	1.03
18	Vocab_Item_45240	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	1.07	87	0.29	0.96	1.05
19	Vocab_Item_45459	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.29	87	0.36	0.80	1.11
20	Vocab_Item_45644	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-1.19	89	0.42	1.21	1.06

Table 1g
Item Information and Statistics, Gr4Vocab7 (Mean Measure = -0.06)

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
1	Vocab_Item_45373	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-1.91	89	0.61	0.93	1.06
2	Vocab_Item_45099	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-1.85	89	0.51	0.55	1.07
3	Vocab_Item_45638	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.90	88	0.41	0.68	1.12
4	Vocab_Item_55874	EL.05.RE.13 Determine the meanings of figurative expressions, such as those in similes and metaphors.	-0.90	78	0.45	0.35	1.20
5	Vocab_Item_45597	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	0.60	85	0.28	0.95	1.03
6	Vocab_Item_45275	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	0.62	89	0.30	0.89	1.06
7	Vocab_Item_45061	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	1.52	89	0.26	0.90	1.08
8	Vocab_Item_45288	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	1.55	89	0.26	1.35	0.37
9	Vocab_Item_55467	EL.05.RE.13 Determine the meanings of figurative expressions, such as those in similes and metaphors.	-1.56	78	0.55	0.40	1.14
10	Vocab_Item_45334	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-1.38	89	0.46	1.45	0.85

Table 1g

Item Information and Statistics, Gr4Vocab7 (Mean Measure = -0.06) Cont.

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
11	Vocab_Item_55550	EL.05.RE.11 Determine meanings of words using contextual and structural clues.	-0.64	78	0.42	0.49	1.16
12	Vocab_Item_55686	EL.05.RE.12 Understand and explain frequently used synonyms, antonyms, and homographs.	-0.51	78	0.39	0.54	1.15
13	Vocab_Item_45056	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	0.84	88	0.29	0.97	0.90
14	Vocab_Item_45602	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	0.19	89	0.31	0.88	1.11
15	Vocab_Item_45059	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	2.28	89	0.25	0.82	1.40
16	Vocab_Item_45094	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	1.26	89	0.28	0.79	1.22
17	Vocab_Item_45004	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.03	89	0.32	0.46	1.40
18	Vocab_Item_45003	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	1.06	89	0.26	1.14	0.79
19	Vocab_Item_45766	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.31	87	0.38	0.76	1.03
20	Vocab_Item_55456	EL.05.RE.11 Determine meanings of words using contextual and structural clues.	-1.21	78	0.47	0.49	1.13

Table 1h

Item Information and Statistics, Gr4Vocab8 (Mean Measure = -0.06)

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
1	Vocab_Item_45099	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-1.85	89	0.51	0.55	1.07
2	Vocab_Item_45095	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-1.82	89	0.61	0.23	1.14
3	Vocab_Item_55874	EL.05.RE.13 Determine the meanings of figurative expressions, such as those in similes and metaphors.	-0.90	78	0.45	0.35	1.20
4	Vocab_Item_45685	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.88	89	0.42	1.46	0.94
5	Vocab_Item_45275	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	0.62	89	0.30	0.89	1.06
6	Vocab_Item_45784	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.62	89	0.30	0.80	1.23
7	Vocab_Item_45288	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	1.55	89	0.26	1.35	0.37
8	Vocab_Item_45411	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	1.55	89	0.26	1.18	0.63
9	Vocab_Item_45506	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-1.55	88	0.51	0.94	1.13
10	Vocab_Item_45502	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-1.39	89	0.46	0.31	1.16

Table 1h
Item Information and Statistics, Gr4Vocab8 (Mean Measure = -0.06) Cont.

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
11	Vocab_Item_45046	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.62	89	0.41	0.79	1.00
12	Vocab_Item_55238	EL.05.RE.12 Understand and explain frequently used synonyms, antonyms, and homographs.	-0.51	78	0.38	0.46	1.26
13	Vocab_Item_45827	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.86	89	0.27	1.05	0.83
14	Vocab_Item_45361	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	0.22	89	0.31	0.91	0.97
15	Vocab_Item_45730	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	2.29	89	0.25	1.35	0.69
16	Vocab_Item_45106	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	1.22	86	0.28	0.93	1.07
17	Vocab_Item_45595	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.07	89	0.32	0.74	1.11
18	Vocab_Item_45728	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	0.97	89	0.27	1.05	0.97
19	Vocab_Item_45063	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-0.34	89	0.36	0.86	0.90
20	Vocab_Item_55017	EL.05.RE.13 Determine the meanings of figurative expressions, such as those in similes and metaphors.	-1.23	79	0.49	1.11	1.00

Table 1i
Item Information and Statistics, Gr4Vocab9 (Mean Measure = -0.05)

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
1	Vocab_Item_45095	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-1.82	89	0.61	0.23	1.14
2	Vocab_Item_45189	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-1.80	89	0.57	0.27	1.18
3	Vocab_Item_45685	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.88	89	0.42	1.46	0.94
4	Vocab_Item_45785	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-0.88	89	0.38	0.46	1.16
5	Vocab_Item_45784	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.62	89	0.30	0.80	1.23
6	Vocab_Item_45652	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.62	90	0.30	0.71	1.29
7	Vocab_Item_45411	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	1.55	89	0.26	1.18	0.63
8	Vocab_Item_45767	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	1.58	89	0.26	1.36	0.29
9	Vocab_Item_55727	EL.05.RE.12 Understand and explain frequently used synonyms, antonyms, and homographs.	-1.57	78	0.56	0.17	1.23
10	Vocab_Item_45371	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-1.36	89	0.46	0.63	1.17

Table 1i
Item Information and Statistics, Gr4Vocab9 (Mean Measure = -0.05) Cont.

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
11	Vocab_Item_55240	EL.05.RE.13 Determine the meanings of figurative expressions, such as those in similes and metaphors.	-0.62	78	0.38	0.96	0.91
12	Vocab_Item_45002	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.50	89	0.35	0.61	1.17
13	Vocab_Item_45559	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.88	88	0.27	0.92	1.13
14	Vocab_Item_45363	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	0.22	89	0.33	0.63	1.24
15	Vocab_Item_45017	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	2.41	89	0.25	1.41	0.43
16	Vocab_Item_45285	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	1.23	89	0.29	1.23	0.69
17	Vocab_Item_45316	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.06	89	0.31	1.14	0.97
18	Vocab_Item_45592	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	0.97	89	0.28	0.93	1.13
19	Vocab_Item_45778	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.34	89	0.35	0.77	1.02
20	Vocab_Item_55503	EL.05.RE.12 Understand and explain frequently used synonyms, antonyms, and homographs.	-1.23	77	0.56	0.28	1.18

Table 1j
Item Information and Statistics, Gr4Vocab10 (Mean Measure = -0.05)

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
1	Vocab_Item_45189	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-1.80	89	0.57	0.27	1.18
2	Vocab_Item_45863	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-1.77	89	0.62	0.58	1.00
3	Vocab_Item_45542	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.88	89	0.42	0.37	1.20
4	Vocab_Item_45785	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-0.88	89	0.38	0.46	1.16
5	Vocab_Item_45652	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.62	90	0.30	0.71	1.29
6	Vocab_Item_45871	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.63	89	0.30	1.17	0.87
7	Vocab_Item_45767	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	1.58	89	0.26	1.36	0.29
8	Vocab_Item_45055	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	1.62	88	0.25	0.92	1.16
9	Vocab_Item_55542	EL.05.RE.11 Determine meanings of words using contextual and structural clues.	-1.58	78	0.57	0.14	1.27
10	Vocab_Item_55509	EL.05.RE.13 Determine the meanings of figurative expressions, such as those in similes and metaphors.	-1.39	79	0.54	0.60	0.99

Table 1j
Item Information and Statistics, Gr4Vocab10 (Mean Measure = -0.05) Cont.

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
11	Vocab_Item_45409	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.61	90	0.39	0.49	1.18
12	Vocab_Item_45862	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.46	85	0.37	1.02	1.12
13	Vocab_Item_45867	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	0.78	89	0.30	0.71	1.28
14	Vocab_Item_45330	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.18	89	0.31	0.72	1.16
15	Vocab_Item_45013	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	2.14	89	0.25	1.47	-0.10
16	Vocab_Item_45819	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	1.27	89	0.28	0.92	1.21
17	Vocab_Item_45054	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.02	89	0.35	1.04	0.94
18	Vocab_Item_45375	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	1.06	89	0.27	1.03	0.88
19	Vocab_Item_45866	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.35	87	0.36	0.39	1.30
20	Vocab_Item_45736	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-1.23	87	0.49	1.18	0.99

Table 1k

Item Information and Statistics, Gr4Vocab Benchmark 1 (Mean Measure = -0.06)

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
1	Vocab_Item_45863	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-1.77	89	0.62	0.58	1.00
2	Vocab_Item_45640	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-1.75	89	0.51	0.19	1.24
3	Vocab_Item_45775	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.87	88	0.38	0.54	1.07
4	Vocab_Item_45542	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.88	89	0.42	0.37	1.20
5	Vocab_Item_45871	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.63	89	0.30	1.17	0.87
6	Vocab_Item_45243	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.64	89	0.29	1.38	0.75
7	Vocab_Item_45055	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	1.62	88	0.25	0.92	1.16
8	Vocab_Item_45779	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	1.63	88	0.26	0.88	1.21
9	Vocab_Item_55777	EL.05.RE.12 Understand and explain frequently used synonyms, antonyms, and homographs.	-1.58	78	0.53	0.29	1.14
10	Vocab_Item_45274	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-1.37	89	0.44	0.61	1.06

Table 1k
Item Information and Statistics, Gr4Vocab Benchmark 1 (Mean Measure = -0.06) Cont.

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
11	Vocab_Item_55233	EL.05.RE.12 Understand and explain frequently used synonyms, antonyms, and homographs.	-0.62	78	0.38	0.80	1.07
12	Vocab_Item_45283	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.48	89	0.37	0.63	1.06
13	Vocab_Item_45496	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	0.78	89	0.28	1.31	0.66
14	Vocab_Item_45062	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.13	88	0.30	0.64	1.30
15	Vocab_Item_45191	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	2.05	3591	0.04	1.45	0.39
16	Vocab_Item_45137	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	1.24	89	0.27	0.95	1.05
17	Vocab_Item_45727	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.03	89	0.33	0.99	1.01
18	Vocab_Item_45150	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.98	89	0.27	0.91	1.11
19	Vocab_Item_45861	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.34	89	0.36	0.68	1.07
20	Vocab_Item_55145	EL.05.RE.12 Understand and explain frequently used synonyms, antonyms, and homographs.	-1.22	78	0.44	0.43	1.12

Table 11

Item Information and Statistics, Gr4Vocab Benchmark 2 (Mean Measure = -0.06)

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
1	Vocab_Item_45640	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-1.75	89	0.51	0.19	1.24
2	Vocab_Item_45689	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-1.73	89	0.52	0.43	1.21
3	Vocab_Item_55143	EL.05.RE.12 Understand and explain frequently used synonyms, antonyms, and homographs.	-0.86	78	0.42	0.54	1.10
4	Vocab_Item_45775	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.87	88	0.38	0.54	1.07
5	Vocab_Item_45458	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	0.64	89	0.29	1.20	0.90
6	Vocab_Item_45243	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.64	89	0.29	1.38	0.75
7	Vocab_Item_45779	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	1.63	88	0.26	0.88	1.21
8	Vocab_Item_45651	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	1.65	90	0.27	1.10	1.08
9	Vocab_Item_55230	EL.05.RE.11 Determine meanings of words using contextual and structural clues.	-1.58	78	0.61	0.33	1.13
10	Vocab_Item_45515	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-1.37	89	0.54	0.42	1.15

Table 11

Item Information and Statistics, Gr4Vocab Benchmark 2 (Mean Measure = -0.06) Cont.

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
11	Vocab_Item_55003	EL.05.RE.11 Determine meanings of words using contextual and structural clues.	-0.62	78	0.40	0.76	0.95
12	Vocab_Item_45324	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.49	89	0.36	0.51	1.23
13	Vocab_Item_45467	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.77	89	0.29	1.07	0.82
14	Vocab_Item_45226	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	0.12	89	0.33	0.54	1.26
15	Vocab_Item_45317	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	2.04	89	0.25	1.44	0.94
16	Vocab_Item_45693	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	1.24	89	0.26	0.98	1.01
17	Vocab_Item_45235	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.04	89	0.34	0.96	1.00
18	Vocab_Item_45875	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.98	89	0.28	1.14	0.82
19	Vocab_Item_45465	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-0.32	3574	0.06	0.90	1.03
20	Vocab_Item_55054	EL.05.RE.12 Understand and explain frequently used synonyms, antonyms, and homographs.	-1.22	78	0.47	0.30	1.25

Table 1m
Item Information and Statistics, Gr4Vocab Benchmark 3 (Mean Measure = -0.05)

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
1	Vocab_Item_45689	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-1.73	89	0.52	0.43	1.21
2	Vocab_Item_45010	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-1.70	89	0.54	0.26	1.16
3	Vocab_Item_55187	EL.05.RE.11 Determine meanings of words using contextual and structural clues.	-0.86	78	0.47	0.52	1.10
4	Vocab_Item_55143	EL.05.RE.12 Understand and explain frequently used synonyms, antonyms, and homographs.	-0.86	78	0.42	0.54	1.10
5	Vocab_Item_45594	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	0.65	89	0.28	0.79	1.11
6	Vocab_Item_45458	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	0.64	89	0.29	1.20	0.90
7	Vocab_Item_45651	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	1.65	90	0.27	1.10	1.08
8	Vocab_Item_45335	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	1.66	89	0.25	0.96	1.06
9	Vocab_Item_55285	EL.05.RE.13 Determine the meanings of figurative expressions, such as those in similes and metaphors.	-1.58	78	0.52	0.79	1.04
10	Vocab_Item_45637	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-1.37	89	0.42	0.37	1.18

Table 1m

Item Information and Statistics, Gr4Vocab Benchmark 3 (Mean Measure = -0.05) Cont.

Item	Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
11	Vocab_Item_55823	EL.05.RE.12 Understand and explain frequently used synonyms, antonyms, and homographs.	-0.62	78	0.40	0.63	1.17
12	Vocab_Item_45012	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.47	89	0.36	0.60	1.14
13	Vocab_Item_45774	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	0.78	89	0.27	0.79	1.20
14	Vocab_Item_45780	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.14	88	0.33	0.86	1.08
15	Vocab_Item_45187	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	2.07	89	0.25	1.07	0.97
16	Vocab_Item_45273	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	1.24	89	0.26	1.00	0.93
17	Vocab_Item_45695	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-0.04	89	0.31	1.02	0.93
18	Vocab_Item_45234	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	0.97	89	0.28	0.87	1.18
19	Vocab_Item_45591	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.32	89	0.35	0.86	1.08
20	Vocab_Item_45287	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-1.21	88	0.45	0.43	1.12

Table 1n
Item Information and Statistics, Unassigned Items

Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
Vocab_Item_45001	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-1.16	89	0.45	0.95	0.93
Vocab_Item_45005	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.99	89	0.42	0.77	1.01
Vocab_Item_45006	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-1.32	89	0.50	0.45	1.07
Vocab_Item_45007	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.76	3781	0.06	0.80	1.07
Vocab_Item_45011	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	0.30	89	0.31	1.19	0.64
Vocab_Item_45014	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.82	90	0.42	0.45	1.17
Vocab_Item_45016	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-1.34	89	0.47	0.29	1.18
Vocab_Item_45049	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.23	89	0.35	0.45	1.24
Vocab_Item_45050	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-1.04	89	0.39	0.44	1.17
Vocab_Item_45051	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.44	89	0.37	0.40	1.30
Vocab_Item_45052	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-1.11	90	0.43	0.45	1.19
Vocab_Item_45053	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.83	3690	0.06	0.78	1.08
Vocab_Item_45057	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	1.43	89	0.27	0.89	1.14
Vocab_Item_45058	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	0.09	88	0.31	0.63	1.17

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

Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
Vocab_Item_45060	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	1.20	89	0.27	1.26	0.55
Vocab_Item_45064	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.67	3636	0.05	1.16	0.85
Vocab_Item_45065	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-0.42	89	0.36	1.12	0.91
Vocab_Item_45091	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-2.62	89	0.75	0.46	1.06
Vocab_Item_45093	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.53	90	0.40	0.45	1.19
Vocab_Item_45096	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-1.15	89	0.43	1.10	0.87
Vocab_Item_45100	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	0.04	89	0.35	1.09	1.00
Vocab_Item_45101	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-1.08	88	0.44	0.56	1.10
Vocab_Item_45103	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.40	89	0.38	1.36	1.06
Vocab_Item_45105	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-0.79	89	0.37	0.62	1.14
Vocab_Item_45138	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.42	89	0.36	0.63	1.09
Vocab_Item_45139	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-1.69	89	0.55	0.58	1.12
Vocab_Item_45140	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.13	89	0.30	1.02	0.91

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

Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
Vocab_Item_45141	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.25	89	0.34	0.60	1.19
Vocab_Item_45144	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.55	89	0.38	0.71	1.08
Vocab_Item_45145	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	0.54	89	0.29	1.10	0.85
Vocab_Item_45147	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.10	89	0.34	0.74	1.03
Vocab_Item_45149	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-1.00	88	0.41	0.53	1.12
Vocab_Item_45151	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.32	90	0.32	0.96	1.01
Vocab_Item_45152	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.96	89	0.28	1.19	0.69
Vocab_Item_45154	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-0.24	89	0.35	1.26	1.01
Vocab_Item_45155	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	1.75	88	0.25	0.93	1.29
Vocab_Item_45182	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.82	89	0.40	1.28	0.86
Vocab_Item_45183	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	1.37	89	0.27	0.99	0.97
Vocab_Item_45186	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.77	89	0.37	0.77	1.10
Vocab_Item_45188	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.95	89	0.45	0.77	1.12

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

Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
Vocab_Item_45190	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	1.38	89	0.27	1.11	0.80
Vocab_Item_45194	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.52	89	0.36	1.03	1.14
Vocab_Item_45195	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	1.35	89	0.27	1.10	0.84
Vocab_Item_45197	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.31	89	0.31	0.64	1.21
Vocab_Item_45199	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-0.27	89	0.36	0.95	0.94
Vocab_Item_45200	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-0.70	88	0.37	0.59	1.14
Vocab_Item_45227	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-2.24	89	0.63	0.37	1.04
Vocab_Item_45228	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.66	89	0.37	0.50	1.23
Vocab_Item_45229	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-2.42	88	0.75	0.16	1.15
Vocab_Item_45230	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-2.68	89	0.75	0.16	1.13
Vocab_Item_45237	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	0.37	89	0.33	0.93	1.08
Vocab_Item_45238	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	1.09	89	0.26	0.91	1.08
Vocab_Item_45245	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-0.43	89	0.36	0.63	1.11

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

Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
Vocab_Item_45271	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.60	89	0.37	0.33	1.30
Vocab_Item_45272	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	0.73	89	0.28	1.13	0.77
Vocab_Item_45276	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	2.61	89	0.26	0.86	1.23
Vocab_Item_45277	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.44	89	0.34	0.49	1.23
Vocab_Item_45278	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	0.42	89	0.29	0.67	1.21
Vocab_Item_45279	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.18	88	0.34	0.90	0.98
Vocab_Item_45280	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.60	89	0.38	0.37	1.28
Vocab_Item_45281	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	0.55	89	0.31	0.89	1.17
Vocab_Item_45284	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.00	89	0.34	0.69	1.18
Vocab_Item_45286	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-1.18	89	0.44	0.63	1.06
Vocab_Item_45289	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.55	88	0.30	1.05	0.92
Vocab_Item_45290	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.67	89	0.27	0.66	1.34
Vocab_Item_45319	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	0.94	89	0.27	0.91	1.08

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

Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
Vocab_Item_45322	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.46	89	0.37	0.83	1.12
Vocab_Item_45323	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	1.15	88	0.27	1.44	0.31
Vocab_Item_45325	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-2.33	89	0.74	0.37	1.07
Vocab_Item_45326	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.95	89	0.45	0.47	1.13
Vocab_Item_45327	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.68	89	0.38	0.54	1.17
Vocab_Item_45328	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	1.18	88	0.27	1.07	0.84
Vocab_Item_45331	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-0.23	89	0.34	0.88	0.93
Vocab_Item_45332	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.94	89	0.27	1.13	0.81
Vocab_Item_45364	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	0.46	89	0.30	1.20	0.85
Vocab_Item_45367	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.42	89	0.36	0.57	1.11
Vocab_Item_45368	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.53	89	0.39	0.34	1.28
Vocab_Item_45370	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-2.56	88	0.77	0.26	1.12
Vocab_Item_45376	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.40	89	0.30	0.97	0.85

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

Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
Vocab_Item_45377	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	3.21	89	0.27	0.84	1.34
Vocab_Item_45378	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	2.77	89	0.25	1.29	0.75
Vocab_Item_45380	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.04	89	0.31	0.79	1.03
Vocab_Item_45406	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.66	87	0.39	0.50	1.14
Vocab_Item_45407	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-3.06	89	1.02	0.15	1.09
Vocab_Item_45408	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.39	89	0.37	1.16	0.91
Vocab_Item_45410	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-1.15	89	0.47	0.36	1.12
Vocab_Item_45412	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.20	89	0.35	0.79	1.00
Vocab_Item_45414	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	1.80	89	0.27	0.98	1.05
Vocab_Item_45415	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-1.12	89	0.51	0.61	1.03
Vocab_Item_45416	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.38	84	0.40	0.86	0.96
Vocab_Item_45418	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.80	89	0.40	1.14	1.06
Vocab_Item_45419	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-1.18	89	0.42	0.29	1.26

Table 1n

Item Information and Statistics, Unassigned Items Cont.

Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
Vocab_Item_45420	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	1.97	89	0.26	0.97	0.97
Vocab_Item_45421	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	2.62	88	0.25	1.46	0.69
Vocab_Item_45422	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-0.64	89	0.40	0.72	0.96
Vocab_Item_45423	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	1.16	89	0.27	1.01	0.90
Vocab_Item_45424	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.49	89	0.30	1.03	0.97
Vocab_Item_45425	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.94	89	0.27	0.77	1.18
Vocab_Item_45452	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-1.15	89	0.46	0.28	1.19
Vocab_Item_45453	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	0.41	89	0.32	1.21	0.88
Vocab_Item_45455	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	1.17	90	0.28	0.87	1.21
Vocab_Item_45456	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	0.95	88	0.27	1.11	0.93
Vocab_Item_45457	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.16	89	0.35	0.81	1.04
Vocab_Item_45461	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	0.07	89	0.31	0.78	1.13

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

Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
Vocab_Item_45462	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-1.03	89	0.44	0.26	1.25
Vocab_Item_45463	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.09	89	0.33	0.80	1.11
Vocab_Item_45468	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-0.57	88	0.36	0.57	1.11
Vocab_Item_45469	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	1.48	89	0.26	1.05	0.81
Vocab_Item_45497	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-1.48	89	0.53	0.92	1.01
Vocab_Item_45498	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-1.63	89	0.53	0.11	1.31
Vocab_Item_45500	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-1.17	89	0.44	0.57	1.07
Vocab_Item_45501	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-2.58	90	0.74	0.24	1.12
Vocab_Item_45503	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-1.31	89	0.47	0.48	1.13
Vocab_Item_45504	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	1.36	89	0.27	1.27	0.51
Vocab_Item_45505	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-2.42	89	0.73	0.67	1.02
Vocab_Item_45507	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.27	89	0.33	0.82	1.07
Vocab_Item_45508	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.92	89	0.43	0.65	1.15

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

Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
Vocab_Item_45509	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-0.99	89	0.46	0.76	1.01
Vocab_Item_45510	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-0.56	89	0.37	0.64	1.09
Vocab_Item_45512	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-2.19	89	0.62	0.29	1.10
Vocab_Item_45514	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.44	89	0.31	0.83	1.02
Vocab_Item_45541	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-1.41	89	0.49	0.29	1.19
Vocab_Item_45543	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	0.36	89	0.31	0.86	1.16
Vocab_Item_45544	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	0.52	89	0.29	0.95	0.93
Vocab_Item_45549	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	0.66	89	0.30	0.96	1.07
Vocab_Item_45551	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	0.68	89	0.28	1.01	1.00
Vocab_Item_45552	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	0.93	89	0.28	1.12	0.76
Vocab_Item_45554	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	1.40	88	0.26	1.03	0.95
Vocab_Item_45557	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-1.12	83	0.44	0.37	1.22

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

Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
Vocab_Item_45558	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.23	89	0.32	0.56	1.32
Vocab_Item_45593	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.38	89	0.37	0.63	1.12
Vocab_Item_45598	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.09	89	0.37	1.16	0.93
Vocab_Item_45599	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.85	89	0.41	0.46	1.19
Vocab_Item_45600	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.65	89	0.41	1.31	1.01
Vocab_Item_45601	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.53	89	0.37	0.55	1.14
Vocab_Item_45604	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-1.26	87	0.49	0.34	1.18
Vocab_Item_45607	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.37	89	0.30	1.12	0.84
Vocab_Item_45609	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	3.06	89	0.27	1.11	0.92
Vocab_Item_45636	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-1.30	89	0.49	0.39	1.16
Vocab_Item_45639	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-1.50	89	0.54	0.29	1.13
Vocab_Item_45642	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-1.25	89	0.55	0.19	1.20
Vocab_Item_45643	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	0.26	88	0.30	0.65	1.23

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

Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
Vocab_Item_45645	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-2.41	89	0.74	0.16	1.13
Vocab_Item_45647	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.66	89	0.41	1.05	0.97
Vocab_Item_45648	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.54	89	0.36	0.43	1.23
Vocab_Item_45649	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-0.26	89	0.39	0.55	1.14
Vocab_Item_45650	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.02	89	0.33	0.67	1.23
Vocab_Item_45653	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-0.24	89	0.36	0.91	0.94
Vocab_Item_45684	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.92	89	0.45	0.84	1.09
Vocab_Item_45687	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	0.75	88	0.28	0.68	1.34
Vocab_Item_45688	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.14	89	0.34	0.47	1.27
Vocab_Item_45691	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	0.70	89	0.29	0.66	1.32
Vocab_Item_45696	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-0.19	89	0.36	1.38	0.80
Vocab_Item_45697	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	1.43	89	0.25	1.22	0.74

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

Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
Vocab_Item_45698	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	1.38	88	0.27	0.78	1.35
Vocab_Item_45699	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.93	89	0.28	0.97	1.03
Vocab_Item_45700	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-0.67	89	0.39	0.77	1.05
Vocab_Item_45721	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	1.38	89	0.25	0.78	1.31
Vocab_Item_45722	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-1.52	89	0.52	0.46	1.02
Vocab_Item_45723	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	0.41	89	0.30	0.85	1.13
Vocab_Item_45724	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-2.60	89	0.75	0.15	1.15
Vocab_Item_45725	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-1.28	89	0.45	0.45	1.13
Vocab_Item_45726	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.69	89	0.41	0.73	1.02
Vocab_Item_45731	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-3.20	89	1.02	0.19	1.06
Vocab_Item_45732	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-1.00	89	0.47	0.74	1.05
Vocab_Item_45733	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-3.11	89	1.02	0.21	1.06
Vocab_Item_45734	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-0.40	89	0.36	1.12	0.85

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

Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
Vocab_Item_45735	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.01	89	0.32	0.69	1.14
Vocab_Item_45737	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	1.13	89	0.27	0.88	1.16
Vocab_Item_45739	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-0.43	86	0.38	0.84	0.87
Vocab_Item_45740	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.46	89	0.29	1.33	0.88
Vocab_Item_45768	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.13	89	0.35	0.62	1.10
Vocab_Item_45769	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-1.10	88	0.41	0.70	1.02
Vocab_Item_45770	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-1.45	89	0.46	0.40	1.19
Vocab_Item_45772	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.23	89	0.36	0.52	1.20
Vocab_Item_45776	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.65	88	0.40	0.40	1.22
Vocab_Item_45777	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.23	87	0.34	0.75	1.08
Vocab_Item_45781	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-0.12	89	0.35	0.88	0.94
Vocab_Item_45782	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	1.40	84	0.27	1.34	0.45

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

Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
Vocab_Item_45811	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	1.76	89	0.25	1.39	0.40
Vocab_Item_45812	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-1.29	88	0.50	0.24	1.23
Vocab_Item_45813	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.95	90	0.44	0.65	1.00
Vocab_Item_45816	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	0.49	89	0.30	0.89	1.11
Vocab_Item_45817	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	2.61	89	0.25	1.31	0.82
Vocab_Item_45818	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-0.96	89	0.44	0.41	1.17
Vocab_Item_45820	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	1.81	89	0.26	0.81	1.50
Vocab_Item_45821	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.54	89	0.41	0.90	1.07
Vocab_Item_45823	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.40	89	0.37	1.10	1.00
Vocab_Item_45824	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	3.84	89	0.30	1.26	0.69
Vocab_Item_45826	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-0.40	88	0.36	1.02	0.98
Vocab_Item_45829	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-1.48	89	0.47	0.38	1.21
Vocab_Item_45830	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	-0.85	88	0.40	0.56	1.14

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

Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
Vocab_Item_45856	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	0.04	89	0.30	1.33	0.66
Vocab_Item_45860	EL.04.RE.11 Determine meanings of words using contextual and structural clues.	-1.28	89	0.49	0.54	1.06
Vocab_Item_45864	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-0.71	89	0.39	0.29	1.30
Vocab_Item_45865	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	-1.24	89	0.45	1.38	1.03
Vocab_Item_45868	EL.04.RE.12 Distinguish and interpret words with multiple meanings (i.e., quarter) by using context clues.	0.91	89	0.27	0.76	1.25
Vocab_Item_45872	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.08	89	0.33	0.67	1.17
Vocab_Item_45873	EL.04.RE.13 Apply knowledge of synonyms, antonyms, homographs, and idioms to determine the meaning of words and phrases.	0.74	89	0.30	1.20	0.76
Vocab_Item_55002	EL.05.RE.11 Determine meanings of words using contextual and structural clues.	-1.34	78	0.56	0.30	1.17
Vocab_Item_55012	EL.05.RE.12 Understand and explain frequently used synonyms, antonyms, and homographs.	-1.19	78	0.51	1.13	0.98
Vocab_Item_55013	EL.05.RE.12 Understand and explain frequently used synonyms, antonyms, and homographs.	-0.80	3267	0.07	0.83	1.04
Vocab_Item_55019	EL.05.RE.13 Determine the meanings of figurative expressions, such as those in similes and metaphors.	-1.04	78	0.47	1.45	1.12
Vocab_Item_55049	EL.05.RE.11 Determine meanings of words using contextual and structural clues.	-1.11	78	0.44	0.71	1.05
Vocab_Item_55050	EL.05.RE.11 Determine meanings of words using contextual and structural clues.	-1.30	78	0.49	0.59	1.10

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

Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
Vocab_Item_55051	EL.05.RE.11 Determine meanings of words using contextual and structural clues.	-1.40	78	0.53	0.69	1.04
Vocab_Item_55063	EL.05.RE.13 Determine the meanings of figurative expressions, such as those in similes and metaphors.	-0.57	78	0.37	0.98	1.01
Vocab_Item_55107	EL.05.RE.13 Determine the meanings of figurative expressions, such as those in similes and metaphors.	-0.70	78	0.44	0.53	1.15
Vocab_Item_55136	EL.05.RE.11 Determine meanings of words using contextual and structural clues.	-1.04	77	0.48	0.54	1.10
Vocab_Item_55137	EL.05.RE.11 Determine meanings of words using contextual and structural clues.	-0.70	79	0.43	0.74	1.08
Vocab_Item_55139	EL.05.RE.11 Determine meanings of words using contextual and structural clues.	-1.32	78	0.50	0.26	1.21
Vocab_Item_55140	EL.05.RE.11 Determine meanings of words using contextual and structural clues.	-0.77	70	0.45	0.48	1.17
Vocab_Item_55142	EL.05.RE.11 Determine meanings of words using contextual and structural clues.	-1.43	77	0.45	0.93	1.07
Vocab_Item_55185	EL.05.RE.11 Determine meanings of words using contextual and structural clues.	-0.56	78	0.39	0.77	1.11
Vocab_Item_55229	EL.05.RE.11 Determine meanings of words using contextual and structural clues.	-0.73	78	0.40	0.55	1.15
Vocab_Item_55244	EL.05.RE.13 Determine the meanings of figurative expressions, such as those in similes and metaphors.	-1.46	78	0.53	0.45	1.11
Vocab_Item_55271	EL.05.RE.11 Determine meanings of words using contextual and structural clues.	-1.35	78	0.54	0.34	1.15
Vocab_Item_55276	EL.05.RE.11 Determine meanings of words using contextual and structural clues.	-0.99	78	0.42	1.21	0.91
Vocab_Item_55287	EL.05.RE.13 Determine the meanings of figurative expressions, such as those in similes and metaphors.	-0.72	78	0.41	0.71	1.09

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

Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
Vocab_Item_55289	EL.05.RE.13 Determine the meanings of figurative expressions, such as those in similes and metaphors.	-0.74	78	0.44	0.60	1.11
Vocab_Item_55318	EL.05.RE.11 Determine meanings of words using contextual and structural clues.	-0.84	78	0.42	0.61	1.14
Vocab_Item_55327	EL.05.RE.12 Understand and explain frequently used synonyms, antonyms, and homographs.	-0.73	79	0.39	0.96	1.01
Vocab_Item_55331	EL.05.RE.13 Determine the meanings of figurative expressions, such as those in similes and metaphors.	-1.42	78	0.51	0.31	1.17
Vocab_Item_55367	EL.05.RE.12 Understand and explain frequently used synonyms, antonyms, and homographs.	-0.57	78	0.42	0.50	1.19
Vocab_Item_55375	EL.05.RE.13 Determine the meanings of figurative expressions, such as those in similes and metaphors.	-1.33	76	0.56	1.43	0.98
Vocab_Item_55406	EL.05.RE.11 Determine meanings of words using contextual and structural clues.	-1.34	78	0.55	0.39	1.13
Vocab_Item_55420	EL.05.RE.13 Determine the meanings of figurative expressions, such as those in similes and metaphors.	-0.94	78	0.44	0.30	1.25
Vocab_Item_55424	EL.05.RE.13 Determine the meanings of figurative expressions, such as those in similes and metaphors.	-1.34	79	0.54	0.34	1.13
Vocab_Item_55465	EL.05.RE.13 Determine the meanings of figurative expressions, such as those in similes and metaphors.	-0.72	81	0.42	1.32	0.91
Vocab_Item_55469	EL.05.RE.13 Determine the meanings of figurative expressions, such as those in similes and metaphors.	-0.54	78	0.39	0.89	0.95
Vocab_Item_55500	EL.05.RE.11 Determine meanings of words using contextual and structural clues.	-1.32	78	0.45	0.88	1.07
Vocab_Item_55508	EL.05.RE.12 Understand and explain frequently used synonyms, antonyms, and homographs.	-1.42	78	0.55	0.27	1.19
Vocab_Item_55511	EL.05.RE.13 Determine the meanings of figurative expressions, such as those in similes and metaphors.	-0.58	78	0.38	0.74	1.01

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

Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
Vocab_Item_55514	EL.05.RE.13 Determine the meanings of figurative expressions, such as those in similes and metaphors.	-1.00	78	0.46	0.51	1.09
Vocab_Item_55558	EL.05.RE.13 Determine the meanings of figurative expressions, such as those in similes and metaphors.	-1.29	78	0.53	0.28	1.17
Vocab_Item_55560	EL.05.RE.13 Determine the meanings of figurative expressions, such as those in similes and metaphors.	-0.55	78	0.40	0.44	1.25
Vocab_Item_55588	EL.05.RE.11 Determine meanings of words using contextual and structural clues.	-0.98	78	0.49	0.53	1.11
Vocab_Item_55591	EL.05.RE.11 Determine meanings of words using contextual and structural clues.	-1.15	79	0.48	0.61	1.06
Vocab_Item_55631	EL.05.RE.11 Determine meanings of words using contextual and structural clues.	-1.14	78	0.50	0.43	1.12
Vocab_Item_55635	EL.05.RE.11 Determine meanings of words using contextual and structural clues.	-0.85	78	0.45	0.65	1.05
Vocab_Item_55676	EL.05.RE.11 Determine meanings of words using contextual and structural clues.	-0.54	78	0.39	0.57	1.20
Vocab_Item_55680	EL.05.RE.11 Determine meanings of words using contextual and structural clues.	-1.50	78	0.49	0.32	1.16
Vocab_Item_55685	EL.05.RE.12 Understand and explain frequently used synonyms, antonyms, and homographs.	-1.17	78	0.45	0.52	1.05
Vocab_Item_55724	EL.05.RE.11 Determine meanings of words using contextual and structural clues.	-0.68	78	0.41	1.44	0.97
Vocab_Item_55731	EL.05.RE.12 Understand and explain frequently used synonyms, antonyms, and homographs.	-1.48	78	0.51	0.83	1.05
Vocab_Item_55735	EL.05.RE.13 Determine the meanings of figurative expressions, such as those in similes and metaphors.	-0.83	79	0.43	1.19	0.98
Vocab_Item_55771	EL.05.RE.11 Determine meanings of words using contextual and structural clues.	-1.48	78	0.62	0.46	1.08

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

Item Name	Standard	Measure	Count	Error	MSQ Outfit	Disc
Vocab_Item_55817	EL.05.RE.11 Determine meanings of words using contextual and structural clues.	-1.43	78	0.53	0.50	1.07
Vocab_Item_55825	EL.05.RE.13 Determine the meanings of figurative expressions, such as those in similes and metaphors.	-1.41	78	0.50	0.47	1.11
Vocab_Item_55860	EL.05.RE.11 Determine meanings of words using contextual and structural clues.	-0.72	78	0.42	0.41	1.23
Vocab_Item_55861	EL.05.RE.11 Determine meanings of words using contextual and structural clues.	-0.57	78	0.43	0.76	1.02
Vocab_Item_55863	EL.05.RE.12 Understand and explain frequently used synonyms, antonyms, and homographs.	-1.25	77	0.49	0.25	1.22
Vocab_Item_55867	EL.05.RE.12 Understand and explain frequently used synonyms, antonyms, and homographs.	-1.26	78	0.44	1.05	0.90

Table 2

Distractor Analysis Results

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v45001	A	1	83	-3.85	0.04	1.02
v45001	B	0	0	0.00	0.00	0.00
v45001	C	0	6	-4.18	0.22	0.83
v45002	A	1	77	-3.82	0.03	0.96
v45002	B	0	4	-5.18	0.57	0.41
v45002	C	0	8	-4.51	0.28	0.68
v45003	A	1	62	-3.79	0.03	0.93
v45003	B	0	18	-4.03	0.11	0.94
v45003	C	0	9	-4.12	0.13	0.85
v45004	A	1	73	-3.79	0.03	0.95
v45004	B	0	11	-4.50	0.15	0.60
v45004	C	0	5	-4.59	0.14	0.52
v45005	A	1	81	-3.85	0.04	1.05
v45005	B	0	6	-4.32	0.35	0.80
v45005	C	0	2	-5.23	0.33	0.28
v45006	A	1	84	-3.83	0.04	1.04
v45006	B	0	2	-4.11	0.15	0.82
v45006	C	0	3	-4.69	0.25	0.48
v45007	A	1	3405	-4.01	0.01	1.40
v45007	B	0	165	-4.98	0.10	0.91
v45007	C	0	211	-4.81	0.08	1.01
v45008	A	1	78	-3.83	0.04	1.00
v45008	B	0	4	-4.77	0.33	0.49
v45008	C	0	7	-4.65	0.39	0.66
v45009	A	1	89	-3.85	0.04	1.07
v45009	B	0	0	0.00	0.00	0.00
v45009	C	0	0	0.00	0.00	0.00
v45010	A	1	85	-3.81	0.03	0.96
v45010	B	0	2	-4.91	0.65	0.44
v45010	C	0	2	-5.10	0.45	0.33
v45011	A	1	72	-3.86	0.05	1.08
v45011	B	0	16	-3.93	0.05	0.98
v45011	C	0	1	-6.02	0.00	0.12
v45012	A	1	78	-3.82	0.03	0.98
v45012	B	0	7	-4.47	0.21	0.63
v45012	C	0	4	-4.90	0.65	0.58
v45013	A	1	47	-3.82	0.04	0.98
v45013	B	0	38	-3.98	0.07	0.98
v45013	C	0	4	-4.64	0.43	0.61
v45014	A	1	82	-3.77	0.03	0.94
v45014	B	0	3	-4.86	0.52	0.51
v45014	C	0	5	-4.77	0.13	0.43

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v45015	A	1	77	-3.79	0.04	0.97
v45015	B	0	5	-4.60	0.43	0.67
v45015	C	0	7	-4.62	0.29	0.59
v45016	A	1	83	-3.81	0.04	0.99
v45016	B	0	4	-4.87	0.19	0.40
v45016	C	0	2	-5.06	0.96	0.47
v45017	A	1	41	-3.83	0.06	1.02
v45017	B	0	33	-3.91	0.04	1.01
v45017	C	0	15	-4.28	0.18	0.81
v45018	A	1	63	-3.91	0.06	1.28
v45018	B	0	2	-5.44	1.18	0.38
v45018	C	0	24	-4.01	0.10	0.97
v45019	A	1	86	-3.84	0.04	1.06
v45019	B	0	2	-3.99	0.27	0.94
v45019	C	0	1	-4.44	0.00	0.58
v45020	A	1	84	-3.80	0.03	0.95
v45020	B	0	0	0.00	0.00	0.00
v45020	C	0	5	-3.85	0.09	1.06
v45046	A	1	81	-3.80	0.05	1.34
v45046	B	0	1	-4.44	0.00	0.58
v45046	C	0	7	-4.25	0.13	0.73
v45047	A	1	55	-3.81	0.03	0.95
v45047	B	0	24	-4.06	0.11	0.93
v45047	C	0	10	-4.14	0.13	0.83
v45048	A	1	57	-3.86	0.05	1.06
v45048	B	0	21	-4.05	0.08	0.91
v45048	C	0	11	-4.26	0.15	0.76
v45049	A	1	78	-3.75	0.03	0.89
v45049	B	0	5	-4.46	0.25	0.64
v45049	C	0	6	-4.49	0.26	0.64
v45050	A	1	80	-3.86	0.04	1.04
v45050	B	0	4	-5.01	0.56	0.46
v45050	C	0	5	-4.54	0.21	0.57
v45051	A	1	78	-3.77	0.03	0.92
v45051	B	0	3	-4.65	0.32	0.52
v45051	C	0	8	-4.82	0.32	0.52
v45052	A	1	82	-3.82	0.03	0.96
v45052	B	0	3	-5.34	0.47	0.30
v45052	C	0	5	-5.01	0.48	0.47
v45053	A	1	3342	-3.93	0.01	0.94
v45053	B	0	229	-4.75	0.06	0.91
v45053	C	0	119	-4.78	0.10	0.94

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v45054	A	1	75	-3.77	0.04	0.97
v45054	B	0	11	-4.36	0.30	0.83
v45054	C	0	3	-6.54	1.17	0.23
v45055	A	1	53	-3.75	0.02	0.88
v45055	B	0	13	-4.40	0.16	0.68
v45055	C	0	22	-4.04	0.09	0.92
v45056	A	1	65	-3.81	0.04	1.00
v45056	B	0	13	-4.13	0.11	0.84
v45056	C	0	10	-4.26	0.26	0.85
v45057	A	1	58	-3.74	0.03	0.89
v45057	B	0	26	-4.14	0.08	0.84
v45057	C	0	5	-4.62	0.20	0.52
v45058	A	1	73	-3.79	0.04	0.96
v45058	B	0	12	-4.17	0.09	0.79
v45058	C	0	3	-4.24	0.21	0.74
v45059	A	1	40	-3.75	0.03	0.89
v45059	B	0	24	-4.11	0.08	0.86
v45059	C	0	25	-4.14	0.06	0.82
v45060	A	1	60	-3.82	0.04	0.98
v45060	B	0	19	-4.09	0.11	0.90
v45060	C	0	10	-4.04	0.11	0.90
v45061	A	1	55	-3.75	0.03	0.91
v45061	B	0	25	-4.10	0.09	0.88
v45061	C	0	9	-4.44	0.24	0.71
v45062	A	1	70	-3.79	0.03	0.93
v45062	B	0	5	-4.40	0.33	0.72
v45062	C	0	13	-4.52	0.16	0.62
v45063	A	1	77	-3.84	0.05	1.05
v45063	B	0	4	-4.04	0.09	0.88
v45063	C	0	8	-4.85	0.60	0.76
v45064	A	1	2746	-3.86	0.01	0.91
v45064	B	0	630	-4.12	0.03	1.15
v45064	C	0	260	-4.74	0.06	0.72
v45065	A	1	77	-3.82	0.04	1.00
v45065	B	0	7	-4.21	0.18	0.79
v45065	C	0	5	-5.16	0.94	0.76
v45091	A	1	87	-3.86	0.04	1.04
v45091	B	0	2	-4.76	0.80	0.56
v45091	C	0	0	0.00	0.00	0.00
v45092	A	1	57	-3.73	0.03	0.87
v45092	B	0	11	-4.08	0.12	0.89
v45092	C	0	20	-4.16	0.10	0.83

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v45093	A	1	80	-3.77	0.03	0.92
v45093	B	0	5	-5.33	0.67	0.46
v45093	C	0	5	-4.56	0.23	0.57
v45094	A	1	65	-3.70	0.02	0.83
v45094	B	0	5	-4.26	0.20	0.75
v45094	C	0	19	-4.14	0.16	0.90
v45095	A	1	86	-3.78	0.03	0.93
v45095	B	0	2	-4.73	0.47	0.48
v45095	C	0	1	-4.65	0.00	0.47
v45096	A	1	82	-3.91	0.05	1.14
v45096	B	0	6	-4.02	0.07	0.90
v45096	C	0	1	-4.26	0.00	0.69
v45097	A	1	82	-3.83	0.03	0.99
v45097	B	0	4	-4.14	0.24	0.86
v45097	C	0	3	-4.27	0.31	0.75
v45098	A	1	82	-3.84	0.03	1.00
v45098	B	0	4	-4.98	0.28	0.38
v45098	C	0	3	-4.96	0.84	0.57
v45099	A	1	84	-3.89	0.05	1.14
v45099	B	0	1	-3.96	0.00	0.94
v45099	C	0	4	-5.43	0.44	0.27
v45100	A	1	74	-3.78	0.04	0.96
v45100	B	0	7	-4.34	0.26	0.75
v45100	C	0	8	-4.88	0.37	0.56
v45101	A	1	82	-3.82	0.03	0.96
v45101	B	0	5	-4.50	0.32	0.65
v45101	C	0	1	-4.10	0.00	0.81
v45102	A	1	76	-3.78	0.03	0.92
v45102	B	0	6	-4.16	0.25	0.87
v45102	C	0	7	-5.24	0.23	0.30
v45103	A	1	79	-3.78	0.03	0.94
v45103	B	0	3	-4.48	0.57	0.73
v45103	C	0	7	-4.41	0.22	0.68
v45104	A	1	66	-3.77	0.04	0.93
v45104	B	0	14	-4.31	0.16	0.76
v45104	C	0	8	-4.20	0.08	0.76
v45105	A	1	77	-3.85	0.04	1.04
v45105	B	0	2	-5.10	0.45	0.33
v45105	C	0	10	-4.88	0.27	0.49
v45106	A	1	61	-3.76	0.04	0.94
v45106	B	0	14	-4.25	0.15	0.79
v45106	C	0	11	-4.13	0.14	0.86

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v45107	A	1	78	-3.82	0.04	1.03
v45107	B	0	3	-5.01	0.18	0.34
v45107	C	0	8	-4.27	0.23	0.79
v45108	A	1	74	-3.87	0.04	1.05
v45108	B	0	14	-3.98	0.10	0.97
v45108	C	0	1	-3.84	0.00	1.06
v45109	A	1	71	-3.90	0.05	1.18
v45109	B	0	7	-3.88	0.10	1.05
v45109	C	0	11	-4.67	0.36	0.68
v45110	A	1	78	-3.86	0.04	1.08
v45110	B	0	9	-4.43	0.22	0.69
v45110	C	0	2	-3.62	0.00	1.32
v45136	A	1	85	-3.85	0.04	1.06
v45136	B	0	1	-6.61	0.00	0.07
v45136	C	0	3	-4.69	0.25	0.48
v45137	A	1	60	-3.76	0.04	0.93
v45137	B	0	14	-4.40	0.28	0.81
v45137	C	0	15	-4.21	0.12	0.79
v45138	A	1	76	-3.83	0.05	1.17
v45138	B	0	4	-4.81	0.37	0.50
v45138	C	0	9	-4.78	0.26	0.52
v45139	A	1	85	-3.80	0.03	0.96
v45139	B	0	3	-5.34	0.22	0.25
v45139	C	0	1	-3.84	0.00	1.06
v45140	A	1	72	-3.91	0.05	1.12
v45140	B	0	11	-4.08	0.12	0.88
v45140	C	0	6	-4.57	0.17	0.55
v45141	A	1	76	-3.80	0.04	0.99
v45141	B	0	5	-4.57	0.30	0.60
v45141	C	0	8	-4.53	0.16	0.58
v45142	A	1	53	-3.81	0.05	1.04
v45142	B	0	3	-5.01	0.18	0.34
v45142	C	0	33	-3.93	0.05	1.00
v45143	A	1	46	-3.78	0.05	0.98
v45143	B	0	36	-4.05	0.07	0.92
v45143	C	0	7	-4.62	0.35	0.61
v45144	A	1	78	-3.78	0.03	0.93
v45144	B	0	10	-4.97	0.47	0.61
v45144	C	0	1	-4.65	0.00	0.47
v45145	A	1	68	-3.81	0.04	1.00
v45145	B	0	16	-4.23	0.16	0.82
v45145	C	0	5	-4.18	0.35	0.89

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v45146	A	1	65	-3.73	0.02	0.86
v45146	B	0	17	-4.33	0.15	0.75
v45146	C	0	7	-4.09	0.07	0.83
v45147	A	1	76	-3.82	0.04	1.00
v45147	B	0	8	-4.15	0.11	0.80
v45147	C	0	5	-4.51	0.40	0.68
v45148	A	1	31	-3.95	0.06	1.13
v45148	B	0	10	-4.00	0.12	0.95
v45148	C	0	48	-3.94	0.05	0.99
v45149	A	1	79	-3.87	0.04	1.07
v45149	B	0	1	-6.02	0.00	0.12
v45149	C	0	8	-4.69	0.30	0.59
v45150	A	1	64	-3.76	0.03	0.91
v45150	B	0	0	0.00	0.00	0.00
v45150	C	0	25	-4.09	0.08	0.87
v45151	A	1	74	-3.76	0.04	0.94
v45151	B	0	6	-4.69	0.35	0.60
v45151	C	0	10	-4.17	0.14	0.83
v45152	A	1	65	-3.79	0.04	0.95
v45152	B	0	16	-4.10	0.12	0.89
v45152	C	0	8	-4.16	0.18	0.84
v45153	A	1	70	-3.77	0.03	0.91
v45153	B	0	16	-4.17	0.13	0.83
v45153	C	0	3	-4.29	0.45	0.80
v45154	A	1	76	-3.80	0.03	0.96
v45154	B	0	10	-4.79	0.29	0.55
v45154	C	0	3	-3.93	0.26	1.03
v45155	A	1	48	-3.81	0.05	1.02
v45155	B	0	30	-4.03	0.06	0.91
v45155	C	0	10	-4.89	0.34	0.55
v45181	A	1	86	-3.78	0.03	0.95
v45181	B	0	3	-5.44	0.12	0.22
v45181	C	0	0	0.00	0.00	0.00
v45182	A	1	80	-3.85	0.05	1.15
v45182	B	0	9	-4.27	0.14	0.75
v45182	C	0	0	0.00	0.00	0.00
v45183	A	1	58	-3.79	0.04	0.96
v45183	B	0	25	-4.20	0.11	0.83
v45183	C	0	6	-4.34	0.16	0.68
v45184	A	1	87	-3.79	0.03	0.94
v45184	B	0	0	0.00	0.00	0.00
v45184	C	0	2	-3.73	0.11	1.19

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v45185	A	1	46	-3.76	0.03	0.90
v45185	B	0	7	-4.21	0.18	0.79
v45185	C	0	36	-3.99	0.06	0.96
v45186	A	1	79	-3.84	0.04	1.01
v45186	B	0	4	-4.36	0.22	0.68
v45186	C	0	6	-4.56	0.20	0.58
v45187	A	1	47	-3.79	0.05	0.98
v45187	B	0	15	-4.41	0.12	0.65
v45187	C	0	27	-3.97	0.07	0.97
v45188	A	1	82	-3.78	0.03	0.95
v45188	B	0	4	-4.43	0.25	0.65
v45188	C	0	3	-5.23	0.69	0.37
v45189	A	1	85	-3.81	0.03	0.96
v45189	B	0	4	-5.23	0.55	0.38
v45189	C	0	0	0.00	0.00	0.00
v45190	A	1	57	-3.75	0.04	0.91
v45190	B	0	12	-4.73	0.32	0.61
v45190	C	0	20	-4.10	0.11	0.89
v45191	A	1	1921	-3.81	0.01	0.93
v45191	B	0	585	-4.28	0.03	0.91
v45191	C	0	1085	-3.98	0.01	1.11
v45192	A	1	66	-3.80	0.03	0.93
v45192	B	0	20	-4.26	0.11	0.76
v45192	C	0	3	-4.47	0.21	0.58
v45193	A	1	73	-3.84	0.05	1.10
v45193	B	0	3	-5.47	0.57	0.27
v45193	C	0	11	-4.31	0.21	0.77
v45194	A	1	77	-3.82	0.04	0.99
v45194	B	0	4	-4.30	0.17	0.70
v45194	C	0	8	-5.02	0.35	0.48
v45195	A	1	60	-3.79	0.04	0.96
v45195	B	0	3	-3.88	0.04	1.02
v45195	C	0	26	-4.16	0.09	0.84
v45196	A	1	56	-3.75	0.04	0.91
v45196	B	0	28	-4.17	0.10	0.84
v45196	C	0	5	-4.53	0.35	0.65
v45197	A	1	71	-3.77	0.03	0.91
v45197	B	0	16	-4.25	0.11	0.76
v45197	C	0	2	-5.61	0.41	0.20
v45198	A	1	78	-3.87	0.04	1.05
v45198	B	0	5	-4.10	0.30	0.93
v45198	C	0	6	-5.13	0.41	0.40

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v45199	A	1	77	-3.79	0.04	0.96
v45199	B	0	6	-4.47	0.19	0.61
v45199	C	0	6	-4.19	0.28	0.85
v45200	A	1	78	-3.84	0.03	1.00
v45200	B	0	5	-4.57	0.38	0.63
v45200	C	0	5	-4.80	0.47	0.55
v45226	A	1	75	-3.76	0.03	0.91
v45226	B	0	6	-4.43	0.18	0.63
v45226	C	0	8	-4.27	0.14	0.73
v45227	A	1	86	-3.87	0.04	1.11
v45227	B	0	3	-4.68	0.21	0.48
v45227	C	0	0	0.00	0.00	0.00
v45228	A	1	79	-3.81	0.03	0.96
v45228	B	0	4	-4.29	0.15	0.70
v45228	C	0	6	-4.79	0.19	0.45
v45229	A	1	86	-3.82	0.03	0.97
v45229	B	0	2	-5.00	0.56	0.38
v45229	C	0	0	0.00	0.00	0.00
v45230	A	1	87	-3.87	0.04	1.07
v45230	B	0	1	-4.90	0.00	0.37
v45230	C	0	1	-5.19	0.00	0.27
v45231	A	1	78	-3.82	0.03	0.97
v45231	B	0	7	-4.45	0.38	0.75
v45231	C	0	4	-4.67	0.52	0.66
v45232	A	1	83	-3.89	0.04	1.13
v45232	B	0	1	-6.02	0.00	0.12
v45232	C	0	5	-4.43	0.55	0.84
v45233	A	1	65	-3.79	0.04	0.98
v45233	B	0	22	-4.29	0.17	0.81
v45233	C	0	2	-4.99	1.03	0.53
v45234	A	1	66	-3.75	0.04	0.94
v45234	B	0	18	-4.22	0.10	0.78
v45234	C	0	5	-4.19	0.27	0.83
v45235	A	1	76	-3.77	0.04	0.96
v45235	B	0	3	-4.48	0.57	0.73
v45235	C	0	10	-4.29	0.14	0.73
v45236	A	1	73	-3.80	0.04	0.98
v45236	B	0	15	-4.55	0.22	0.67
v45236	C	0	1	-4.44	0.00	0.58
v45237	A	1	74	-3.73	0.02	0.87
v45237	B	0	14	-4.30	0.18	0.79
v45237	C	0	1	-4.44	0.00	0.58

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v45238	A	1	63	-3.79	0.04	0.95
v45238	B	0	22	-4.14	0.10	0.85
v45238	C	0	4	-3.94	0.10	0.97
v45239	A	1	73	-3.77	0.04	0.96
v45239	B	0	4	-4.28	0.32	0.77
v45239	C	0	11	-4.43	0.25	0.72
v45240	A	1	61	-3.74	0.03	0.88
v45240	B	0	21	-4.21	0.10	0.80
v45240	C	0	5	-4.72	0.14	0.45
v45241	A	1	69	-3.79	0.03	0.92
v45241	B	0	18	-4.06	0.13	0.94
v45241	C	0	2	-5.23	0.33	0.28
v45242	A	1	74	-3.80	0.04	0.97
v45242	B	0	12	-4.23	0.14	0.79
v45242	C	0	4	-4.04	0.21	0.91
v45243	A	1	67	-3.83	0.04	1.02
v45243	B	0	15	-3.93	0.07	1.00
v45243	C	0	7	-4.81	0.35	0.56
v45244	A	1	74	-3.83	0.03	0.99
v45244	B	0	12	-4.10	0.17	0.91
v45244	C	0	3	-4.59	0.15	0.51
v45245	A	1	77	-3.81	0.03	0.97
v45245	B	0	8	-4.68	0.35	0.64
v45245	C	0	4	-4.55	0.35	0.60
v45271	A	1	79	-3.78	0.02	0.91
v45271	B	0	8	-4.57	0.19	0.57
v45271	C	0	2	-5.00	0.56	0.38
v45272	A	1	65	-3.83	0.04	1.02
v45272	B	0	14	-4.27	0.13	0.77
v45272	C	0	10	-4.22	0.21	0.83
v45273	A	1	61	-3.78	0.03	0.92
v45273	B	0	26	-3.98	0.06	0.96
v45273	C	0	2	-5.38	0.18	0.23
v45274	A	1	82	-3.87	0.05	1.12
v45274	B	0	4	-4.71	0.49	0.59
v45274	C	0	3	-4.88	0.34	0.41
v45275	A	1	72	-3.77	0.04	0.94
v45275	B	0	14	-4.02	0.07	0.90
v45275	C	0	3	-4.26	0.48	0.84
v45276	A	1	40	-3.69	0.03	0.84
v45276	B	0	28	-4.10	0.07	0.86
v45276	C	0	21	-4.17	0.18	0.88

Table 2
Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v45277	A	1	75	-3.86	0.04	1.06
v45277	B	0	8	-4.83	0.26	0.48
v45277	C	0	6	-5.17	0.47	0.38
v45278	A	1	67	-3.80	0.04	0.99
v45278	B	0	16	-4.48	0.23	0.70
v45278	C	0	6	-4.95	0.18	0.38
v45279	A	1	76	-3.82	0.03	0.97
v45279	B	0	10	-4.03	0.04	0.87
v45279	C	0	2	-5.23	0.79	0.35
v45280	A	1	79	-3.77	0.03	0.91
v45280	B	0	9	-4.85	0.20	0.44
v45280	C	0	1	-4.90	0.00	0.37
v45281	A	1	73	-3.73	0.02	0.86
v45281	B	0	5	-4.42	0.25	0.66
v45281	C	0	11	-4.12	0.12	0.86
v45282	A	1	18	-4.10	0.17	1.59
v45282	B	0	65	-3.91	0.03	1.01
v45282	C	0	6	-4.25	0.28	0.81
v45283	A	1	78	-3.80	0.04	0.97
v45283	B	0	5	-4.25	0.12	0.72
v45283	C	0	6	-4.70	0.34	0.58
v45284	A	1	76	-3.76	0.03	0.90
v45284	B	0	7	-4.53	0.26	0.62
v45284	C	0	6	-4.10	0.15	0.86
v45285	A	1	62	-3.75	0.04	0.91
v45285	B	0	8	-4.97	0.62	0.74
v45285	C	0	19	-4.23	0.12	0.80
v45286	A	1	81	-3.84	0.04	1.06
v45286	B	0	1	-4.65	0.00	0.47
v45286	C	0	7	-5.10	0.66	0.63
v45287	A	1	82	-3.83	0.03	1.00
v45287	B	0	1	-3.96	0.00	0.94
v45287	C	0	5	-4.60	0.16	0.52
v45288	A	1	57	-3.79	0.04	0.95
v45288	B	0	20	-4.10	0.11	0.89
v45288	C	0	12	-3.96	0.11	0.98
v45289	A	1	68	-3.81	0.05	1.04
v45289	B	0	6	-4.59	0.21	0.56
v45289	C	0	14	-4.15	0.11	0.83
v45290	A	1	64	-3.79	0.03	0.93
v45290	B	0	20	-4.42	0.12	0.67
v45290	C	0	5	-4.43	0.21	0.64

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v45316	A	1	73	-3.86	0.04	1.08
v45316	B	0	9	-4.31	0.25	0.78
v45316	C	0	7	-4.59	0.39	0.69
v45317	A	1	45	-3.82	0.06	1.07
v45317	B	0	37	-4.02	0.05	0.92
v45317	C	0	7	-4.51	0.28	0.65
v45318	A	1	65	-3.74	0.02	0.87
v45318	B	0	9	-4.23	0.17	0.77
v45318	C	0	15	-4.40	0.14	0.68
v45319	A	1	65	-3.78	0.03	0.93
v45319	B	0	12	-4.20	0.12	0.79
v45319	C	0	12	-4.07	0.10	0.88
v45320	A	1	58	-3.83	0.05	1.05
v45320	B	0	19	-4.07	0.11	0.92
v45320	C	0	11	-4.13	0.11	0.83
v45321	A	1	60	-3.84	0.05	1.06
v45321	B	0	2	-4.58	0.32	0.53
v45321	C	0	27	-4.11	0.10	0.90
v45322	A	1	79	-3.78	0.03	0.93
v45322	B	0	7	-4.27	0.22	0.78
v45322	C	0	3	-4.78	0.28	0.44
v45323	A	1	59	-3.85	0.05	1.05
v45323	B	0	25	-4.14	0.13	0.88
v45323	C	0	4	-4.04	0.21	0.91
v45324	A	1	78	-3.80	0.03	0.95
v45324	B	0	2	-5.00	0.56	0.38
v45324	C	0	9	-4.63	0.24	0.58
v45325	A	1	87	-3.82	0.03	1.00
v45325	B	0	1	-5.56	0.00	0.19
v45325	C	0	1	-4.10	0.00	0.81
v45326	A	1	82	-3.78	0.03	0.94
v45326	B	0	5	-4.41	0.24	0.66
v45326	C	0	2	-5.98	1.54	0.30
v45327	A	1	79	-3.80	0.03	0.94
v45327	B	0	4	-4.80	0.44	0.53
v45327	C	0	6	-4.56	0.21	0.58
v45328	A	1	59	-3.85	0.06	1.12
v45328	B	0	24	-4.14	0.08	0.84
v45328	C	0	5	-4.02	0.07	0.89
v45329	A	1	53	-3.78	0.04	0.93
v45329	B	0	6	-4.87	0.27	0.43
v45329	C	0	30	-4.12	0.10	0.88

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v45330	A	1	71	-3.80	0.03	0.94
v45330	B	0	13	-4.53	0.18	0.63
v45330	C	0	5	-4.35	0.25	0.71
v45331	A	1	76	-3.83	0.04	1.03
v45331	B	0	8	-4.30	0.20	0.74
v45331	C	0	5	-4.34	0.29	0.74
v45332	A	1	61	-3.84	0.06	1.09
v45332	B	0	21	-4.43	0.25	0.82
v45332	C	0	7	-4.19	0.14	0.79
v45333	A	1	36	-3.81	0.07	1.02
v45333	B	0	19	-3.96	0.09	0.99
v45333	C	0	34	-4.04	0.07	0.92
v45334	A	1	83	-3.88	0.04	1.09
v45334	B	0	2	-3.73	0.11	1.19
v45334	C	0	4	-4.39	0.20	0.64
v45335	A	1	52	-3.76	0.03	0.90
v45335	B	0	28	-4.07	0.07	0.89
v45335	C	0	9	-4.28	0.26	0.83
v45361	A	1	71	-3.80	0.04	0.98
v45361	B	0	5	-4.42	0.35	0.72
v45361	C	0	13	-4.71	0.41	0.76
v45362	A	1	43	-3.85	0.07	1.12
v45362	B	0	14	-4.18	0.09	0.79
v45362	C	0	31	-4.15	0.12	0.89
v45363	A	1	72	-3.76	0.03	0.90
v45363	B	0	12	-4.47	0.25	0.72
v45363	C	0	5	-4.89	0.19	0.39
v45364	A	1	69	-3.82	0.04	0.99
v45364	B	0	7	-5.06	0.66	0.65
v45364	C	0	13	-4.09	0.14	0.90
v45365	A	1	65	-3.85	0.04	1.04
v45365	B	0	1	-5.19	0.00	0.27
v45365	C	0	23	-3.98	0.07	0.96
v45366	A	1	75	-3.84	0.03	0.98
v45366	B	0	10	-4.16	0.14	0.82
v45366	C	0	3	-5.79	0.43	0.18
v45367	A	1	77	-3.84	0.04	1.06
v45367	B	0	3	-5.54	0.99	0.36
v45367	C	0	9	-4.40	0.18	0.67
v45368	A	1	80	-3.78	0.03	0.93
v45368	B	0	8	-4.57	0.14	0.55
v45368	C	0	1	-4.10	0.00	0.81

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v45369	A	1	81	-3.83	0.04	1.02
v45369	B	0	2	-5.46	0.56	0.24
v45369	C	0	1	-4.44	0.00	0.58
v45370	A	1	86	-3.81	0.03	0.97
v45370	B	0	0	0.00	0.00	0.00
v45370	C	0	2	-5.44	1.18	0.38
v45371	A	1	82	-3.81	0.03	0.98
v45371	B	0	4	-5.68	0.39	0.21
v45371	C	0	3	-4.88	0.66	0.56
v45372	A	1	85	-3.81	0.04	0.99
v45372	B	0	3	-4.48	0.23	0.59
v45372	C	0	0	0.00	0.00	0.00
v45373	A	1	86	-3.82	0.03	0.97
v45373	B	0	2	-4.31	0.59	0.78
v45373	C	0	1	-5.19	0.00	0.27
v45374	A	1	59	-3.76	0.03	0.91
v45374	B	0	25	-4.29	0.14	0.80
v45374	C	0	5	-4.26	0.17	0.72
v45375	A	1	61	-3.81	0.04	0.97
v45375	B	0	13	-4.11	0.10	0.85
v45375	C	0	15	-4.24	0.14	0.80
v45376	A	1	70	-3.86	0.05	1.09
v45376	B	0	4	-4.07	0.09	0.84
v45376	C	0	15	-4.14	0.12	0.85
v45377	A	1	34	-3.66	0.03	0.80
v45377	B	0	17	-4.21	0.11	0.79
v45377	C	0	38	-4.06	0.09	0.94
v45378	A	1	36	-3.78	0.05	0.95
v45378	B	0	22	-4.05	0.09	0.92
v45378	C	0	31	-4.03	0.11	0.98
v45379	A	1	75	-3.79	0.04	0.96
v45379	B	0	12	-4.31	0.15	0.74
v45379	C	0	2	-4.83	0.73	0.50
v45380	A	1	71	-3.85	0.04	1.04
v45380	B	0	7	-4.46	0.22	0.64
v45380	C	0	11	-4.32	0.10	0.69
v45406	A	1	78	-3.80	0.04	1.01
v45406	B	0	6	-4.60	0.18	0.53
v45406	C	0	3	-4.28	0.16	0.70
v45407	A	1	88	-3.81	0.03	0.97
v45407	B	0	0	0.00	0.00	0.00
v45407	C	0	1	-4.90	0.00	0.37

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v45408	A	1	77	-3.81	0.04	1.02
v45408	B	0	5	-5.03	0.40	0.42
v45408	C	0	7	-4.11	0.18	0.88
v45409	A	1	81	-3.81	0.04	1.02
v45409	B	0	4	-4.62	0.47	0.61
v45409	C	0	5	-4.77	0.34	0.52
v45410	A	1	83	-3.82	0.04	1.11
v45410	B	0	5	-4.85	0.31	0.45
v45410	C	0	1	-4.44	0.00	0.58
v45411	A	1	57	-3.79	0.04	0.96
v45411	B	0	7	-4.66	0.71	0.96
v45411	C	0	25	-4.01	0.09	0.96
v45412	A	1	77	-3.81	0.04	0.99
v45412	B	0	9	-4.29	0.16	0.73
v45412	C	0	3	-4.00	0.22	0.94
v45413	A	1	43	-3.87	0.06	1.08
v45413	B	0	25	-4.21	0.10	0.82
v45413	C	0	21	-3.97	0.12	1.02
v45414	A	1	58	-3.73	0.04	0.90
v45414	B	0	14	-4.09	0.16	0.93
v45414	C	0	17	-4.02	0.07	0.91
v45415	A	1	84	-3.77	0.04	0.95
v45415	B	0	1	-4.44	0.00	0.58
v45415	C	0	4	-4.41	0.32	0.68
v45416	A	1	74	-3.80	0.04	1.01
v45416	B	0	4	-4.02	0.14	0.91
v45416	C	0	6	-4.99	0.61	0.59
v45417	A	1	53	-3.73	0.03	0.88
v45417	B	0	11	-4.29	0.14	0.74
v45417	C	0	25	-3.96	0.10	1.00
v45418	A	1	80	-3.81	0.04	1.00
v45418	B	0	7	-4.69	0.33	0.62
v45418	C	0	2	-5.05	0.15	0.32
v45419	A	1	81	-3.83	0.04	1.01
v45419	B	0	5	-5.38	0.34	0.27
v45419	C	0	3	-4.75	0.41	0.49
v45420	A	1	50	-3.74	0.03	0.89
v45420	B	0	7	-4.26	0.31	0.84
v45420	C	0	32	-4.05	0.07	0.91
v45421	A	1	38	-3.80	0.06	1.01
v45421	B	0	14	-4.16	0.13	0.83
v45421	C	0	36	-3.99	0.07	0.96

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v45422	A	1	80	-3.83	0.05	1.08
v45422	B	0	6	-4.37	0.33	0.74
v45422	C	0	3	-4.17	0.14	0.78
v45423	A	1	61	-3.77	0.04	0.93
v45423	B	0	14	-4.31	0.21	0.82
v45423	C	0	14	-4.24	0.11	0.76
v45424	A	1	69	-3.79	0.03	0.94
v45424	B	0	2	-8.87	0.00	0.00
v45424	C	0	18	-4.20	0.14	0.84
v45425	A	1	66	-3.76	0.03	0.91
v45425	B	0	16	-4.07	0.07	0.86
v45425	C	0	7	-4.24	0.31	0.86
v45451	A	1	43	-3.66	0.02	0.80
v45451	B	0	24	-4.06	0.06	0.88
v45451	C	0	22	-4.29	0.13	0.77
v45452	A	1	83	-3.80	0.03	0.97
v45452	B	0	2	-4.54	0.10	0.52
v45452	C	0	4	-4.86	0.30	0.43
v45453	A	1	75	-3.76	0.03	0.92
v45453	B	0	2	-4.20	0.24	0.76
v45453	C	0	12	-3.93	0.09	1.00
v45454	A	1	78	-3.82	0.03	1.00
v45454	B	0	8	-4.69	0.07	0.46
v45454	C	0	3	-4.81	0.37	0.45
v45455	A	1	64	-3.71	0.02	0.86
v45455	B	0	16	-4.20	0.18	0.86
v45455	C	0	10	-4.41	0.19	0.68
v45456	A	1	62	-3.78	0.03	0.92
v45456	B	0	12	-4.29	0.24	0.82
v45456	C	0	14	-4.28	0.17	0.78
v45457	A	1	76	-3.79	0.04	0.99
v45457	B	0	2	-4.82	0.38	0.43
v45457	C	0	11	-4.36	0.19	0.73
v45458	A	1	68	-3.81	0.05	1.15
v45458	B	0	11	-4.09	0.14	0.89
v45458	C	0	10	-4.37	0.10	0.65
v45459	A	1	75	-3.79	0.03	0.94
v45459	B	0	5	-5.27	0.38	0.34
v45459	C	0	7	-4.33	0.31	0.79
v45460	A	1	73	-3.86	0.06	1.20
v45460	B	0	8	-4.25	0.17	0.77
v45460	C	0	8	-4.43	0.18	0.65

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v45461	A	1	73	-3.81	0.03	0.95
v45461	B	0	11	-4.50	0.26	0.68
v45461	C	0	5	-4.12	0.12	0.82
v45462	A	1	82	-3.78	0.03	0.93
v45462	B	0	4	-4.61	0.13	0.50
v45462	C	0	3	-5.42	0.64	0.31
v45463	A	1	76	-3.79	0.03	0.94
v45463	B	0	5	-4.51	0.29	0.62
v45463	C	0	8	-4.14	0.15	0.84
v45464	A	1	74	-3.79	0.02	0.93
v45464	B	0	5	-4.26	0.20	0.75
v45464	C	0	10	-4.59	0.27	0.63
v45465	A	1	3096	-3.84	0.01	0.77
v45465	B	0	232	-4.49	0.05	0.96
v45465	C	0	246	-4.47	0.04	0.94
v45466	A	1	84	-3.81	0.03	0.98
v45466	B	0	3	-4.29	0.20	0.70
v45466	C	0	2	-4.58	0.32	0.53
v45467	A	1	66	-3.81	0.05	1.04
v45467	B	0	2	-5.05	0.15	0.32
v45467	C	0	21	-4.11	0.07	0.84
v45468	A	1	76	-3.88	0.05	1.15
v45468	B	0	9	-4.72	0.24	0.53
v45468	C	0	3	-4.35	0.20	0.66
v45469	A	1	58	-3.79	0.04	0.95
v45469	B	0	24	-3.99	0.08	0.96
v45469	C	0	7	-4.35	0.18	0.69
v45470	A	1	67	-3.80	0.04	0.98
v45470	B	0	14	-4.37	0.14	0.69
v45470	C	0	8	-4.36	0.08	0.64
v45496	A	1	63	-3.85	0.05	1.10
v45496	B	0	10	-4.43	0.17	0.67
v45496	C	0	16	-4.15	0.14	0.87
v45497	A	1	85	-3.81	0.03	0.96
v45497	B	0	2	-3.91	0.19	1.00
v45497	C	0	2	-4.44	0.00	0.58
v45498	A	1	84	-3.77	0.02	0.90
v45498	B	0	3	-5.59	0.24	0.19
v45498	C	0	2	-6.09	0.53	0.13
v45499	A	1	67	-3.93	0.06	1.23
v45499	B	0	1	-4.90	0.00	0.37
v45499	C	0	21	-4.34	0.17	0.78

Table 2
Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v45500	A	1	82	-3.82	0.03	0.99
v45500	B	0	2	-4.50	0.40	0.59
v45500	C	0	5	-4.75	0.43	0.58
v45501	A	1	88	-3.82	0.03	0.98
v45501	B	0	1	-4.44	0.00	0.58
v45501	C	0	1	-6.02	0.00	0.12
v45502	A	1	83	-3.84	0.04	1.03
v45502	B	0	3	-4.76	0.23	0.44
v45502	C	0	3	-4.69	0.25	0.48
v45503	A	1	83	-3.83	0.03	0.99
v45503	B	0	2	-5.00	0.56	0.38
v45503	C	0	4	-4.64	0.38	0.58
v45504	A	1	59	-3.78	0.04	0.96
v45504	B	0	9	-4.29	0.17	0.75
v45504	C	0	21	-4.20	0.18	0.89
v45505	A	1	87	-3.88	0.04	1.07
v45505	B	0	1	-5.19	0.00	0.27
v45505	C	0	1	-3.84	0.00	1.06
v45506	A	1	83	-3.83	0.03	0.99
v45506	B	0	2	-3.94	0.32	1.01
v45506	C	0	3	-5.79	0.43	0.18
v45507	A	1	75	-3.83	0.03	0.98
v45507	B	0	13	-4.38	0.17	0.72
v45507	C	0	1	-6.61	0.00	0.07
v45508	A	1	82	-3.79	0.03	0.93
v45508	B	0	5	-4.80	0.31	0.47
v45508	C	0	2	-4.31	0.59	0.78
v45509	A	1	83	-3.79	0.03	0.96
v45509	B	0	3	-4.39	0.43	0.72
v45509	C	0	3	-4.41	0.57	0.77
v45510	A	1	78	-3.84	0.04	1.04
v45510	B	0	6	-4.70	0.23	0.50
v45510	C	0	5	-4.54	0.53	0.74
v45511	A	1	78	-3.86	0.04	1.05
v45511	B	0	4	-4.42	0.17	0.61
v45511	C	0	7	-4.19	0.17	0.81
v45512	A	1	86	-3.86	0.04	1.07
v45512	B	0	2	-4.73	0.47	0.48
v45512	C	0	1	-4.90	0.00	0.37
v45513	A	1	85	-3.79	0.03	0.94
v45513	B	0	1	-4.44	0.00	0.58
v45513	C	0	3	-4.17	0.14	0.78

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v45514	A	1	73	-3.78	0.03	0.94
v45514	B	0	6	-4.20	0.15	0.78
v45514	C	0	10	-4.08	0.14	0.88
v45515	A	1	85	-3.78	0.03	0.94
v45515	B	0	3	-4.50	0.28	0.59
v45515	C	0	1	-5.19	0.00	0.27
v45541	A	1	84	-3.80	0.03	0.94
v45541	B	0	2	-5.05	0.15	0.32
v45541	C	0	3	-4.51	0.07	0.54
v45542	A	1	80	-3.78	0.03	0.94
v45542	B	0	6	-5.77	0.76	0.47
v45542	C	0	3	-4.76	0.23	0.44
v45543	A	1	70	-3.77	0.03	0.94
v45543	B	0	11	-4.73	0.26	0.56
v45543	C	0	8	-4.16	0.16	0.82
v45544	A	1	70	-3.81	0.04	0.99
v45544	B	0	19	-4.24	0.27	0.95
v45544	C	0	0	0.00	0.00	0.00
v45545	A	1	77	-3.85	0.04	1.03
v45545	B	0	7	-4.13	0.18	0.86
v45545	C	0	5	-4.29	0.13	0.70
v45546	A	1	83	-3.76	0.03	0.90
v45546	B	0	5	-4.30	0.31	0.79
v45546	C	0	1	-6.02	0.00	0.12
v45547	A	1	72	-3.81	0.04	0.99
v45547	B	0	7	-4.37	0.22	0.71
v45547	C	0	10	-4.29	0.17	0.74
v45548	A	1	82	-3.83	0.04	1.00
v45548	B	0	5	-4.83	0.37	0.50
v45548	C	0	2	-4.45	0.20	0.58
v45549	A	1	70	-3.74	0.02	0.88
v45549	B	0	16	-4.12	0.13	0.88
v45549	C	0	3	-5.10	0.10	0.30
v45550	A	1	67	-3.76	0.04	0.93
v45550	B	0	22	-4.20	0.11	0.82
v45550	C	0	0	0.00	0.00	0.00
v45551	A	1	66	-3.79	0.04	0.95
v45551	B	0	8	-4.13	0.11	0.82
v45551	C	0	15	-4.45	0.21	0.73
v45552	A	1	67	-3.81	0.05	1.02
v45552	B	0	8	-4.14	0.15	0.84
v45552	C	0	14	-3.98	0.12	0.99

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v45553	A	1	77	-3.74	0.02	0.87
v45553	B	0	6	-4.08	0.11	0.86
v45553	C	0	6	-5.09	0.49	0.47
v45554	A	1	60	-3.77	0.03	0.92
v45554	B	0	16	-4.15	0.12	0.85
v45554	C	0	12	-3.86	0.05	1.05
v45555	A	1	55	-3.81	0.05	1.03
v45555	B	0	34	-3.96	0.06	0.98
v45555	C	0	0	0.00	0.00	0.00
v45556	A	1	21	-3.79	0.07	0.96
v45556	B	0	58	-3.96	0.05	0.98
v45556	C	0	10	-4.42	0.50	0.98
v45557	A	1	76	-3.82	0.03	0.98
v45557	B	0	5	-5.03	0.33	0.39
v45557	C	0	2	-4.65	0.55	0.54
v45558	A	1	73	-3.75	0.02	0.88
v45558	B	0	13	-4.54	0.22	0.65
v45558	C	0	3	-4.79	0.61	0.54
v45559	A	1	60	-3.82	0.05	1.05
v45559	B	0	16	-4.18	0.13	0.84
v45559	C	0	12	-4.50	0.16	0.61
v45560	A	1	62	-3.72	0.03	0.86
v45560	B	0	19	-4.38	0.21	0.79
v45560	C	0	8	-4.10	0.15	0.87
v45591	A	1	77	-3.80	0.03	0.97
v45591	B	0	6	-4.20	0.23	0.83
v45591	C	0	6	-4.67	0.30	0.55
v45592	A	1	65	-3.76	0.03	0.92
v45592	B	0	4	-5.05	0.33	0.36
v45592	C	0	20	-4.02	0.07	0.92
v45593	A	1	78	-3.80	0.04	1.01
v45593	B	0	7	-4.86	0.25	0.44
v45593	C	0	4	-4.14	0.26	0.86
v45594	A	1	65	-3.80	0.03	0.95
v45594	B	0	10	-4.91	0.48	0.65
v45594	C	0	14	-4.14	0.11	0.83
v45595	A	1	74	-3.80	0.03	0.95
v45595	B	0	8	-4.63	0.27	0.59
v45595	C	0	7	-4.26	0.14	0.74
v45596	A	1	79	-3.80	0.03	0.95
v45596	B	0	5	-4.18	0.18	0.80
v45596	C	0	5	-5.14	0.31	0.35

Table 2
Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v45597	A	1	61	-3.83	0.04	1.01
v45597	B	0	11	-4.47	0.22	0.69
v45597	C	0	13	-4.25	0.18	0.80
v45598	A	1	79	-3.76	0.03	0.93
v45598	B	0	2	-4.38	0.27	0.64
v45598	C	0	8	-4.12	0.19	0.89
v45599	A	1	81	-3.82	0.04	0.99
v45599	B	0	3	-4.55	0.24	0.55
v45599	C	0	5	-4.47	0.22	0.61
v45600	A	1	82	-3.78	0.02	0.91
v45600	B	0	3	-4.21	0.05	0.73
v45600	C	0	4	-3.93	0.17	1.00
v45601	A	1	79	-3.80	0.03	0.96
v45601	B	0	7	-4.58	0.38	0.67
v45601	C	0	3	-4.47	0.21	0.59
v45602	A	1	74	-3.77	0.02	0.90
v45602	B	0	7	-4.33	0.13	0.69
v45602	C	0	8	-3.92	0.05	0.98
v45603	A	1	81	-3.76	0.03	0.90
v45603	B	0	4	-4.41	0.26	0.65
v45603	C	0	4	-4.22	0.19	0.76
v45604	A	1	81	-3.80	0.03	0.95
v45604	B	0	3	-4.99	0.81	0.52
v45604	C	0	3	-5.23	0.58	0.37
v45605	A	1	46	-3.73	0.04	0.88
v45605	B	0	32	-4.21	0.10	0.82
v45605	C	0	11	-4.28	0.13	0.74
v45606	A	1	62	-3.79	0.04	0.97
v45606	B	0	2	-4.93	1.09	0.59
v45606	C	0	25	-4.09	0.09	0.89
v45607	A	1	70	-3.85	0.05	1.06
v45607	B	0	10	-4.28	0.20	0.79
v45607	C	0	9	-3.92	0.08	0.99
v45608	A	1	70	-3.89	0.06	1.17
v45608	B	0	15	-4.25	0.16	0.81
v45608	C	0	4	-4.46	0.26	0.62
v45609	A	1	37	-3.71	0.04	0.86
v45609	B	0	34	-4.02	0.10	0.97
v45609	C	0	18	-4.32	0.18	0.78
v45610	A	1	57	-3.74	0.02	0.87
v45610	B	0	27	-4.09	0.09	0.90
v45610	C	0	5	-4.94	0.98	0.94

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v45636	A	1	84	-3.79	0.03	0.93
v45636	B	0	3	-4.60	0.19	0.51
v45636	C	0	2	-4.65	0.55	0.54
v45637	A	1	81	-3.88	0.04	1.09
v45637	B	0	2	-4.54	0.10	0.52
v45637	C	0	6	-5.20	0.33	0.34
v45638	A	1	80	-3.83	0.03	1.00
v45638	B	0	6	-4.58	0.33	0.63
v45638	C	0	2	-4.67	0.23	0.47
v45639	A	1	85	-3.80	0.03	0.97
v45639	B	0	2	-5.05	0.15	0.32
v45639	C	0	2	-4.18	0.08	0.75
v45640	A	1	84	-3.84	0.04	1.02
v45640	B	0	3	-5.00	0.10	0.34
v45640	C	0	2	-5.79	0.23	0.15
v45641	A	1	84	-3.78	0.03	0.93
v45641	B	0	3	-4.76	0.23	0.44
v45641	C	0	2	-5.23	0.79	0.35
v45642	A	1	85	-3.76	0.03	0.91
v45642	B	0	2	-4.77	0.12	0.42
v45642	C	0	2	-4.73	0.47	0.48
v45643	A	1	72	-3.78	0.02	0.92
v45643	B	0	8	-4.13	0.11	0.82
v45643	C	0	8	-4.26	0.16	0.75
v45644	A	1	81	-3.87	0.04	1.05
v45644	B	0	3	-5.00	0.39	0.39
v45644	C	0	5	-4.52	0.43	0.71
v45645	A	1	87	-3.82	0.03	0.97
v45645	B	0	1	-4.90	0.00	0.37
v45645	C	0	1	-5.56	0.00	0.19
v45646	A	1	62	-3.82	0.04	0.98
v45646	B	0	15	-4.23	0.14	0.80
v45646	C	0	12	-4.37	0.15	0.69
v45647	A	1	79	-3.81	0.04	1.03
v45647	B	0	5	-4.51	0.54	0.77
v45647	C	0	5	-5.20	0.47	0.39
v45648	A	1	77	-3.82	0.04	1.00
v45648	B	0	8	-4.48	0.24	0.64
v45648	C	0	4	-5.53	0.29	0.22
v45649	A	1	81	-3.74	0.02	0.88
v45649	B	0	7	-4.00	0.10	0.92
v45649	C	0	1	-4.65	0.00	0.47

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v45650	A	1	73	-3.76	0.03	0.91
v45650	B	0	3	-4.97	0.32	0.38
v45650	C	0	13	-4.72	0.24	0.58
v45651	A	1	60	-3.71	0.03	0.88
v45651	B	0	5	-4.72	0.39	0.57
v45651	C	0	25	-4.00	0.07	0.94
v45652	A	1	71	-3.74	0.02	0.88
v45652	B	0	8	-4.33	0.17	0.71
v45652	C	0	11	-4.44	0.22	0.71
v45653	A	1	76	-3.80	0.05	1.05
v45653	B	0	4	-4.84	0.55	0.58
v45653	C	0	9	-4.43	0.22	0.69
v45654	A	1	63	-3.80	0.05	0.99
v45654	B	0	15	-4.04	0.09	0.91
v45654	C	0	11	-4.11	0.15	0.88
v45655	A	1	65	-3.76	0.03	0.90
v45655	B	0	7	-4.44	0.33	0.75
v45655	C	0	17	-4.06	0.14	0.94
v45681	A	1	76	-3.84	0.04	1.03
v45681	B	0	12	-3.98	0.11	0.96
v45681	C	0	1	-4.44	0.00	0.58
v45682	A	1	87	-3.88	0.04	1.05
v45682	B	0	1	-5.56	0.00	0.19
v45682	C	0	3	-4.75	0.41	0.49
v45683	A	1	86	-3.80	0.03	0.95
v45683	B	0	1	-5.56	0.00	0.19
v45683	C	0	2	-4.46	0.74	0.73
v45684	A	1	82	-3.77	0.03	0.92
v45684	B	0	3	-5.34	0.22	0.25
v45684	C	0	4	-4.11	0.28	0.89
v45685	A	1	80	-3.84	0.04	1.04
v45685	B	0	5	-4.38	0.41	0.77
v45685	C	0	4	-5.58	1.17	0.73
v45686	A	1	80	-3.85	0.05	1.14
v45686	B	0	4	-4.80	0.30	0.46
v45686	C	0	5	-4.49	0.39	0.68
v45687	A	1	64	-3.79	0.04	0.97
v45687	B	0	5	-4.86	0.30	0.45
v45687	C	0	19	-4.16	0.10	0.82
v45688	A	1	75	-3.79	0.03	0.95
v45688	B	0	7	-4.72	0.27	0.52
v45688	C	0	7	-4.55	0.20	0.58

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v45689	A	1	83	-3.82	0.04	1.02
v45689	B	0	3	-6.09	1.48	0.62
v45689	C	0	3	-5.56	0.00	0.19
v45690	A	1	74	-3.85	0.04	1.03
v45690	B	0	7	-4.64	0.33	0.63
v45690	C	0	8	-4.59	0.18	0.55
v45691	A	1	67	-3.76	0.03	0.91
v45691	B	0	13	-4.19	0.09	0.77
v45691	C	0	9	-4.55	0.23	0.62
v45692	A	1	79	-3.85	0.04	1.06
v45692	B	0	3	-4.88	0.34	0.41
v45692	C	0	7	-4.79	0.31	0.54
v45693	A	1	55	-3.84	0.05	1.04
v45693	B	0	22	-4.47	0.14	0.68
v45693	C	0	12	-4.17	0.24	0.91
v45694	A	1	73	-3.73	0.03	0.87
v45694	B	0	8	-4.06	0.10	0.88
v45694	C	0	8	-4.21	0.19	0.81
v45695	A	1	73	-3.85	0.04	1.02
v45695	B	0	13	-4.33	0.13	0.72
v45695	C	0	3	-3.93	0.11	0.98
v45696	A	1	76	-3.82	0.05	1.06
v45696	B	0	4	-4.42	0.44	0.76
v45696	C	0	9	-4.67	0.55	0.86
v45697	A	1	53	-3.84	0.06	1.10
v45697	B	0	18	-4.29	0.14	0.76
v45697	C	0	18	-4.06	0.10	0.90
v45698	A	1	59	-3.72	0.03	0.86
v45698	B	0	25	-4.20	0.11	0.82
v45698	C	0	4	-4.78	0.62	0.60
v45699	A	1	66	-3.77	0.04	0.93
v45699	B	0	7	-3.88	0.10	1.05
v45699	C	0	16	-4.22	0.11	0.78
v45700	A	1	80	-3.81	0.03	0.95
v45700	B	0	1	-6.02	0.00	0.12
v45700	C	0	8	-4.33	0.26	0.76
v45721	A	1	56	-3.79	0.03	0.94
v45721	B	0	20	-4.23	0.15	0.81
v45721	C	0	13	-4.21	0.16	0.82
v45722	A	1	84	-3.83	0.05	1.14
v45722	B	0	2	-4.35	0.09	0.64
v45722	C	0	3	-4.60	0.36	0.56

Table 2
Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v45723	A	1	68	-3.78	0.03	0.92
v45723	B	0	8	-4.18	0.15	0.81
v45723	C	0	13	-5.07	0.41	0.58
v45724	A	1	87	-3.84	0.03	1.01
v45724	B	0	2	-5.33	0.68	0.29
v45724	C	0	0	0.00	0.00	0.00
v45725	A	1	83	-3.83	0.03	0.99
v45725	B	0	0	0.00	0.00	0.00
v45725	C	0	6	-4.53	0.18	0.57
v45726	A	1	81	-3.81	0.03	0.96
v45726	B	0	7	-4.23	0.21	0.79
v45726	C	0	1	-4.44	0.00	0.58
v45727	A	1	75	-3.81	0.04	0.97
v45727	B	0	4	-4.61	0.11	0.50
v45727	C	0	10	-4.00	0.08	0.93
v45728	A	1	65	-3.76	0.03	0.91
v45728	B	0	5	-4.54	0.39	0.66
v45728	C	0	19	-4.04	0.11	0.93
v45729	A	1	83	-3.80	0.03	0.95
v45729	B	0	6	-5.01	0.26	0.39
v45729	C	0	0	0.00	0.00	0.00
v45730	A	1	47	-3.75	0.04	0.91
v45730	B	0	30	-3.94	0.05	0.99
v45730	C	0	12	-4.27	0.20	0.82
v45731	A	1	88	-3.84	0.04	1.03
v45731	B	0	1	-4.90	0.00	0.37
v45731	C	0	0	0.00	0.00	0.00
v45732	A	1	83	-3.77	0.03	0.92
v45732	B	0	1	-6.02	0.00	0.12
v45732	C	0	5	-4.22	0.20	0.78
v45733	A	1	88	-3.84	0.03	1.01
v45733	B	0	0	0.00	0.00	0.00
v45733	C	0	1	-4.90	0.00	0.37
v45734	A	1	78	-3.84	0.05	1.08
v45734	B	0	5	-4.30	0.27	0.76
v45734	C	0	6	-4.10	0.15	0.86
v45735	A	1	74	-3.83	0.04	0.99
v45735	B	0	10	-4.21	0.10	0.76
v45735	C	0	5	-4.45	0.31	0.67
v45736	A	1	82	-3.82	0.03	0.98
v45736	B	0	3	-4.22	0.49	0.88
v45736	C	0	2	-4.20	0.24	0.76

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v45737	A	1	64	-3.78	0.04	0.98
v45737	B	0	12	-4.05	0.09	0.89
v45737	C	0	13	-4.17	0.15	0.84
v45738	A	1	85	-3.81	0.03	0.95
v45738	B	0	2	-4.20	0.24	0.76
v45738	C	0	2	-3.84	0.12	1.06
v45739	A	1	75	-3.84	0.05	1.09
v45739	B	0	8	-4.72	0.31	0.57
v45739	C	0	3	-3.88	0.04	1.02
v45740	A	1	68	-3.84	0.05	1.17
v45740	B	0	9	-4.28	0.26	0.83
v45740	C	0	12	-4.26	0.12	0.74
v45766	A	1	78	-3.76	0.03	0.90
v45766	B	0	0	0.00	0.00	0.00
v45766	C	0	9	-4.19	0.10	0.78
v45767	A	1	56	-3.82	0.04	0.98
v45767	B	0	11	-4.09	0.10	0.86
v45767	C	0	22	-3.95	0.08	0.99
v45768	A	1	78	-3.78	0.03	0.94
v45768	B	0	6	-4.14	0.08	0.80
v45768	C	0	5	-4.26	0.20	0.75
v45769	A	1	80	-3.85	0.04	1.06
v45769	B	0	4	-4.31	0.31	0.74
v45769	C	0	4	-4.96	0.26	0.38
v45770	A	1	82	-3.86	0.05	1.12
v45770	B	0	3	-4.68	0.37	0.52
v45770	C	0	4	-5.74	0.28	0.18
v45771	A	1	60	-3.78	0.03	0.93
v45771	B	0	7	-4.08	0.08	0.85
v45771	C	0	22	-4.02	0.08	0.93
v45772	A	1	78	-3.76	0.03	0.93
v45772	B	0	7	-4.40	0.20	0.68
v45772	C	0	4	-4.12	0.11	0.82
v45773	A	1	41	-3.85	0.07	1.09
v45773	B	0	29	-3.97	0.06	0.96
v45773	C	0	19	-4.00	0.10	0.97
v45774	A	1	63	-3.80	0.03	0.94
v45774	B	0	13	-4.36	0.15	0.70
v45774	C	0	13	-4.25	0.18	0.81
v45775	A	1	78	-3.89	0.05	1.14
v45775	B	0	5	-4.69	0.17	0.48
v45775	C	0	5	-4.26	0.14	0.72

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v45776	A	1	79	-3.77	0.03	0.92
v45776	B	0	3	-4.51	0.07	0.54
v45776	C	0	6	-4.74	0.45	0.61
v45777	A	1	73	-3.84	0.04	1.03
v45777	B	0	9	-4.79	0.30	0.54
v45777	C	0	5	-4.47	0.26	0.64
v45778	A	1	75	-3.83	0.05	1.14
v45778	B	0	6	-5.02	0.28	0.39
v45778	C	0	8	-4.49	0.34	0.72
v45779	A	1	52	-3.73	0.03	0.87
v45779	B	0	17	-4.26	0.14	0.78
v45779	C	0	19	-4.24	0.13	0.80
v45780	A	1	71	-3.81	0.04	1.00
v45780	B	0	4	-5.29	0.61	0.39
v45780	C	0	13	-4.41	0.19	0.71
v45781	A	1	75	-3.81	0.05	1.03
v45781	B	0	5	-5.45	0.89	0.57
v45781	C	0	9	-4.29	0.24	0.80
v45782	A	1	50	-3.85	0.05	1.01
v45782	B	0	26	-4.05	0.09	0.92
v45782	C	0	8	-4.91	0.26	0.46
v45784	A	1	69	-3.75	0.03	0.90
v45784	B	0	4	-4.90	0.61	0.55
v45784	C	0	16	-4.25	0.14	0.78
v45785	A	1	79	-3.85	0.05	1.14
v45785	B	0	7	-4.86	0.17	0.42
v45785	C	0	3	-4.33	0.11	0.66
v45811	A	1	50	-3.85	0.05	1.06
v45811	B	0	27	-4.02	0.08	0.94
v45811	C	0	12	-4.18	0.11	0.80
v45812	A	1	83	-3.78	0.02	0.91
v45812	B	0	5	-4.95	0.18	0.38
v45812	C	0	0	0.00	0.00	0.00
v45813	A	1	83	-3.83	0.05	1.08
v45813	B	0	2	-4.65	0.55	0.54
v45813	C	0	5	-4.33	0.23	0.71
v45814	A	1	78	-3.80	0.03	0.96
v45814	B	0	8	-4.43	0.27	0.71
v45814	C	0	3	-5.00	0.39	0.39
v45815	A	1	83	-3.84	0.03	1.00
v45815	B	0	3	-3.90	0.19	1.02
v45815	C	0	2	-4.76	0.80	0.56

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v45816	A	1	71	-3.77	0.03	0.93
v45816	B	0	11	-4.21	0.10	0.77
v45816	C	0	7	-4.05	0.12	0.89
v45817	A	1	37	-3.77	0.05	0.94
v45817	B	0	26	-3.92	0.05	1.01
v45817	C	0	26	-4.18	0.09	0.82
v45818	A	1	82	-3.81	0.03	0.96
v45818	B	0	5	-4.57	0.38	0.63
v45818	C	0	2	-5.53	1.09	0.32
v45819	A	1	60	-3.73	0.03	0.89
v45819	B	0	4	-4.33	0.32	0.74
v45819	C	0	25	-4.27	0.11	0.77
v45820	A	1	56	-3.70	0.02	0.84
v45820	B	0	5	-4.14	0.16	0.82
v45820	C	0	28	-3.98	0.04	0.94
v45821	A	1	81	-3.75	0.02	0.89
v45821	B	0	1	-6.02	0.00	0.12
v45821	C	0	7	-4.32	0.22	0.75
v45822	A	1	61	-3.79	0.04	0.95
v45822	B	0	22	-4.06	0.10	0.92
v45822	C	0	6	-4.27	0.28	0.79
v45823	A	1	79	-3.80	0.03	0.96
v45823	B	0	4	-4.28	0.29	0.77
v45823	C	0	6	-4.12	0.19	0.87
v45824	A	1	26	-3.70	0.04	0.84
v45824	B	0	42	-3.99	0.07	0.98
v45824	C	0	21	-3.93	0.06	1.00
v45825	A	1	64	-3.74	0.03	0.89
v45825	B	0	24	-4.22	0.10	0.80
v45825	C	0	1	-6.02	0.00	0.12
v45826	A	1	77	-3.82	0.04	1.00
v45826	B	0	3	-4.86	0.52	0.51
v45826	C	0	8	-4.09	0.15	0.88
v45827	A	1	64	-3.83	0.04	1.01
v45827	B	0	9	-4.14	0.19	0.87
v45827	C	0	16	-4.19	0.12	0.81
v45828	A	1	81	-3.80	0.03	0.94
v45828	B	0	2	-5.05	0.15	0.32
v45828	C	0	6	-4.69	0.25	0.53
v45829	A	1	83	-3.82	0.03	0.97
v45829	B	0	2	-5.56	0.00	0.19
v45829	C	0	4	-5.06	0.45	0.43

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v45830	A	1	80	-3.81	0.03	0.97
v45830	B	0	3	-4.17	0.14	0.78
v45830	C	0	5	-4.68	0.22	0.50
v45856	A	1	70	-3.93	0.05	1.15
v45856	B	0	14	-4.08	0.15	0.92
v45856	C	0	5	-4.80	0.18	0.44
v45857	A	1	84	-3.86	0.05	1.17
v45857	B	0	1	-4.26	0.00	0.69
v45857	C	0	4	-4.73	0.16	0.45
v45858	A	1	71	-3.78	0.03	0.92
v45858	B	0	10	-4.64	0.19	0.54
v45858	C	0	7	-4.44	0.23	0.66
v45859	A	1	81	-3.74	0.03	0.89
v45859	B	0	5	-5.06	0.31	0.37
v45859	C	0	3	-4.59	0.15	0.51
v45860	A	1	84	-3.82	0.03	0.99
v45860	B	0	0	0.00	0.00	0.00
v45860	C	0	5	-4.33	0.16	0.68
v45861	A	1	77	-3.82	0.04	1.00
v45861	B	0	6	-4.10	0.16	0.86
v45861	C	0	6	-4.86	0.35	0.51
v45862	A	1	74	-3.81	0.03	0.96
v45862	B	0	3	-4.52	0.43	0.64
v45862	C	0	8	-4.63	0.25	0.59
v45863	A	1	85	-3.81	0.04	0.99
v45863	B	0	2	-4.11	0.15	0.82
v45863	C	0	2	-6.56	2.30	0.69
v45864	A	1	79	-3.79	0.03	0.95
v45864	B	0	4	-4.89	0.24	0.40
v45864	C	0	6	-5.04	0.33	0.39
v45865	A	1	83	-3.83	0.03	0.98
v45865	B	0	6	-4.48	0.27	0.66
v45865	C	0	0	0.00	0.00	0.00
v45866	A	1	76	-3.76	0.02	0.90
v45866	B	0	7	-4.44	0.16	0.62
v45866	C	0	4	-4.87	0.19	0.40
v45867	A	1	69	-3.71	0.03	0.86
v45867	B	0	18	-4.37	0.11	0.69
v45867	C	0	2	-3.97	0.13	0.94
v45868	A	1	63	-3.75	0.03	0.89
v45868	B	0	23	-4.33	0.13	0.75
v45868	C	0	3	-4.94	0.84	0.56

Table 2

Distractor Analysis Results Cont.

Item	Answer choice	Score	# of students	Average measure	Standard error	Mean square outfit
v45869	A	1	76	-3.85	0.04	1.03
v45869	B	0	7	-4.10	0.10	0.83
v45869	C	0	6	-4.47	0.27	0.66
v45870	A	1	77	-3.79	0.03	0.96
v45870	B	0	10	-4.31	0.22	0.78
v45870	C	0	2	-4.65	0.55	0.54
v45871	A	1	68	-3.77	0.04	0.93
v45871	B	0	16	-4.42	0.18	0.70
v45871	C	0	5	-3.83	0.12	1.09
v45872	A	1	73	-3.80	0.03	0.95
v45872	B	0	9	-4.62	0.29	0.63
v45872	C	0	7	-5.03	0.55	0.57
v45873	A	1	69	-3.80	0.05	1.03
v45873	B	0	8	-4.32	0.34	0.83
v45873	C	0	12	-4.02	0.08	0.91
v45874	A	1	41	-3.82	0.04	0.97
v45874	B	0	28	-4.08	0.09	0.90
v45874	C	0	18	-4.12	0.10	0.86
v45875	A	1	66	-3.78	0.03	0.93
v45875	B	0	11	-4.14	0.16	0.86
v45875	C	0	12	-4.00	0.13	0.97

Table 3

Test Information Summary

Form	Mean measure
Form 1	-0.08
Form 2	-0.09
Form 3	-0.09
Form 4	-0.08
Form 5	-0.09
Form 6	-0.05
Form 7	-0.06
Form 8	-0.06
Form 9	-0.05
Form 10	-0.05
Benchmark 1	-0.06
Benchmark 2	-0.06
Benchmark 3	-0.05

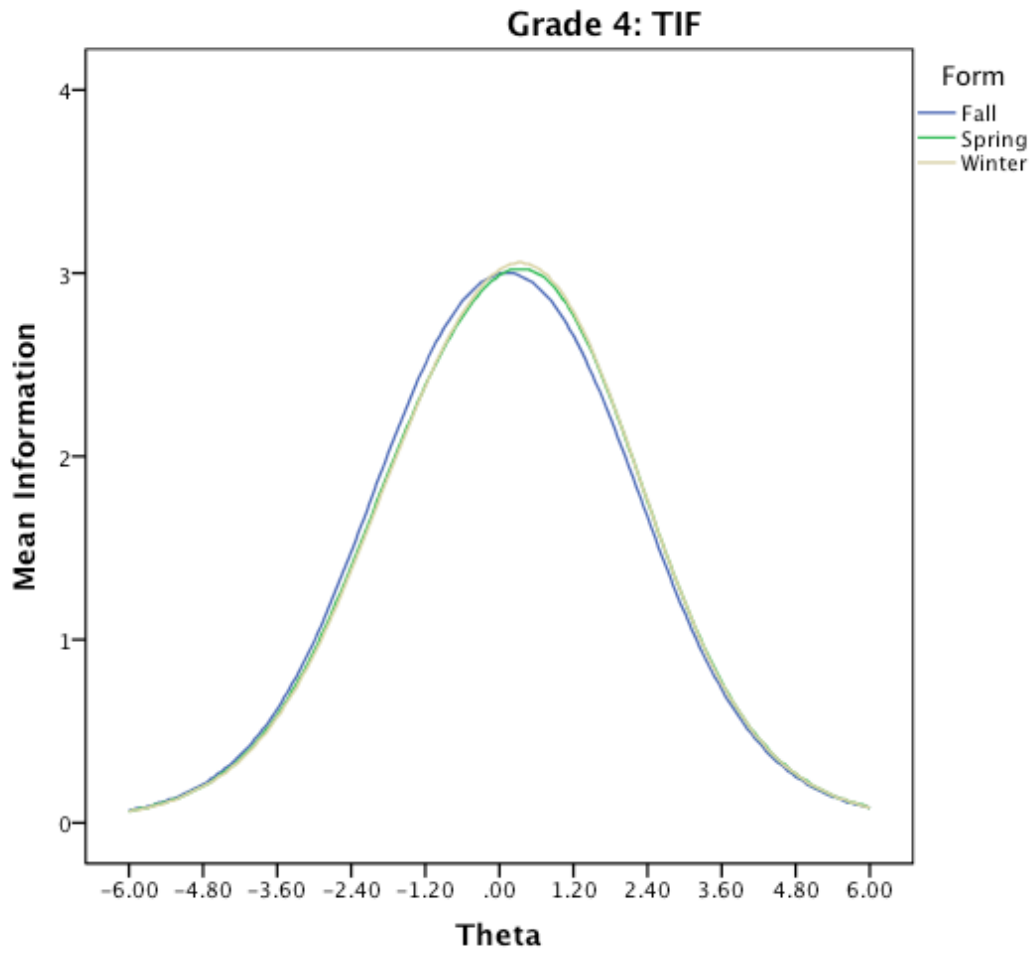Figure 1. Test Information Function of Grade 4 Vocabulary Measures

Figure 2. Test Characteristics Curve of Grade 4 Vocabulary Measures