

Appendix G: Percentages of Each Score by Item

Grade 3 Math

Component #	Level A (n= 481)	Percentage at Each Score					
	Description	0	1	2	3	4	5
1	Orients toward materials	2.7%	4.0%	2.5%	0.4%	5.8%	84.6%
2	Selects set with a lot/a few - smallest difference is 4x	2.7%	6.0%	26.8%	4.2%	22.0%	38.3%
3	Matches 2 sets of items with 1 item each - difference is 4x	3.1%	5.2%	36.2%	6.2%	19.5%	29.7%
4*	Selects clock - all items differ in appearance	2.9%	3.7%	15.2%	1.9%	17.5%	58.8%
5	Selects set with most/least using items arranged in pattern - smallest difference is 4x	3.3%	4.0%	30.6%	5.2%	20.0%	37.0%
6	Matches items of same length - smallest difference is 4x	3.3%	6.0%	28.7%	3.3%	21.4%	37.2%
7	Matches items of same size - smallest difference is 4x	3.7%	4.8%	30.4%	4.2%	18.7%	38.3%
8*	Sorts 1 object into 1 of 3 dissimilar groups - no overlap - with model	3.8%	5.8%	22.1%	7.1%	20.0%	41.3%
9	Selects biggest/smallest item - smallest difference is 4x	3.1%	5.0%	40.7%	3.7%	19.3%	28.1%
10	Identifies biggest/smallest item based on volume - smallest difference is 4x	3.1%	5.6%	26.8%	9.6%	18.1%	36.8%
11	Selects coins - all items are dissimilar in appearance	3.1%	5.0%	19.5%	2.9%	16.0%	53.4%
12	Matches items with same volume - smallest difference is 4x	3.7%	5.2%	27.7%	13.9%	17.9%	31.6%
13	Identifies heaviest/lightest item - all items similar in appearance - size and weight vary directly	4.6%	5.0%	25.2%	4.8%	18.1%	42.4%
14	Matches 2 sets of items with 1 item each - difference is 4x	4.4%	5.4%	29.9%	5.2%	22.7%	32.4%
15	Matches items of same length - smallest difference is 4x	3.7%	5.6%	29.9%	4.8%	19.1%	36.8%
16	Matches items with same volume - smallest difference is 4x	4.4%	6.0%	23.1%	25.2%	14.1%	27.2%
17	Selects set with most/least using items arranged in pattern - smallest difference is 4x	4.6%	5.8%	35.8%	6.0%	19.8%	28.1%
18	Selects set with a lot/a few - smallest difference is 4x	4.0%	5.4%	27.4%	4.8%	24.9%	33.5%
19	Identifies biggest/smallest item based on volume - smallest difference is 4x	3.5%	4.8%	27.2%	11.2%	15.2%	38.0%
20	Selects coins - all items are dissimilar in appearance	3.7%	5.4%	21.8%	3.3%	12.9%	52.8%
21	Selects biggest/smallest item - smallest difference is 4x	4.8%	5.4%	25.2%	5.0%	17.0%	42.6%
22	Identifies heaviest/lightest item - all items similar in appearance - size and weight vary directly	6.7%	6.4%	38.0%	6.2%	21.8%	20.8%

Appendix G: Percentages of Each Score by Item

Grade 3 Math (cont.)

Component #	Level B (n= 415) Description	Percentage at Each Score					
		0	1	2	3	4	5
1	Counts one-dollar bills or pennies up to 5 with the teacher pointing to each item	1.0%	0.2%	3.6%	4.6%	11.6%	78.9%
2	Selects heaviest/lightest item from array of 4 - weight and size vary directly	1.2%	0.5%	19.9%	10.9%	27.6%	40.0%
3	Locates number named up to 5 in 4-item display - one variable only	1.5%	0.2%	2.2%	1.2%	9.7%	85.2%
4*	Measures item length using ruler and counting units from 1-5 with the teacher pointing to each unit	1.5%	0.5%	34.0%	22.6%	11.2%	30.3%
5	Selects largest/smallest value from graph without numbers - ordered display	1.5%	0.0%	7.8%	5.6%	18.9%	66.3%
6	Selects number named up to 5 from array of 4	1.7%	0.0%	1.5%	1.9%	9.2%	85.7%
7	Selects longest/shortest item 1-5 inches in length from array of 4	1.9%	0.0%	12.8%	7.3%	19.4%	58.6%
8*	Sorts 4 items into 4 groups - 1 pair overlaps on 1 dimension - with model	1.2%	0.0%	5.6%	13.3%	39.2%	40.7%
9	Selects quantity named (highest/lowest) and shown from 1-5 from array of 4 fixed, ordered sets arranged in pattern - all dissimilar sets	1.2%	0.0%	4.8%	4.4%	10.4%	79.2%
10	Reads whole number price up to \$5 or 5¢	1.2%	0.0%	7.7%	5.3%	23.5%	62.2%
11	Counts one-dollar bills or pennies up to 5 with the teacher pointing to each item	1.2%	0.0%	5.1%	5.1%	10.4%	78.2%
12*	Measures volume of 1-5 full units	1.7%	0.5%	44.8%	12.1%	14.3%	26.6%
13	Locates number named up to 5 in 4-item display - one variable only	1.5%	0.0%	1.7%	0.7%	7.5%	88.6%
14	Selects quantity named (highest/lowest) and shown from 1-5 from array of 4 fixed, ordered sets arranged in pattern - all dissimilar sets	1.2%	0.2%	11.1%	5.1%	15.7%	66.6%
15	Reads number 1-5	2.2%	0.0%	3.1%	3.1%	4.6%	86.9%
16	Selects number named up to 5 from array of 4	1.7%	0.0%	3.1%	1.9%	8.7%	84.5%
17	Selects longest/shortest item 1-5 inches in length from array of 4	1.9%	0.2%	6.1%	3.9%	17.4%	70.5%
18	Selects heaviest/lightest item from array of 4 - weight and size vary directly	1.7%	0.2%	6.8%	3.1%	11.6%	76.5%
19	Reads whole number price up to \$5 or 5¢	1.7%	0.2%	8.2%	5.3%	13.1%	71.4%
20	Measures item area by counting units from 1-5 with the teacher pointing to each item	1.5%	0.2%	6.3%	4.1%	15.3%	72.6%
21	Selects largest/smallest value from graph without numbers - ordered display	1.5%	0.2%	18.4%	7.7%	41.9%	30.3%
22	Counts item up to 5 in ordered array with teacher pointing to each item	2.4%	0.0%	4.1%	3.4%	12.8%	77.2%
23	Reads number 1-5	2.7%	0.0%	2.9%	2.4%	6.8%	85.2%

Appendix G: Percentages of Each Score by Item

Grade 3 Math (cont.)

Component #	Level C (n= 438)	Percentage at Each Score					
	Description	0	1	2	3	4	5
1	Identifies shortest/longest straight line path starting from different locations from an array of 5	0.2%	0.0%	4.3%	4.1%	11.2%	80.1%
2	Counts out items up to 9 from larger set	0.5%	0.0%	3.2%	1.6%	13.5%	81.3%
3	Adds 2 prices with sums $\leq \$9$ or $\leq 9\text{¢}$ by counting sets of one-dollar bills or pennies	0.2%	0.0%	2.7%	3.4%	18.7%	74.9%
4*	Adds 2 sets of items with sums ≤ 9 by counting and using action	0.2%	0.0%	4.1%	3.4%	19.2%	73.1%
5	Selects largest/smallest value from 1-9 in array of 5 ordered numbers	0.5%	0.0%	4.6%	5.3%	14.4%	75.3%
6	Selects quantity named and shown from array of 5 ordered sets arranged in a pattern with 1-9 items - 2 similar sets	0.2%	0.2%	3.2%	5.0%	14.6%	76.7%
7	Counts items in ordered array up to 9	0.7%	0.0%	2.5%	5.5%	18.5%	72.8%
8*	Locates number described up to 9 in 1-5 item display	0.5%	0.0%	8.2%	8.9%	23.3%	59.1%
9	Measures item length using fixed ruler	0.2%	0.2%	8.7%	13.7%	13.2%	63.9%
10	Counts out one-dollar bills or pennies up to 9 from larger set	0.5%	0.0%	2.3%	1.8%	10.7%	84.7%
11	Adds 2 prices with sums $\leq \$9$ or $\leq 9\text{¢}$ by counting sets of one-dollar bills or pennies	0.5%	0.0%	1.1%	3.9%	14.4%	80.1%
12*	Subtracts 2 numbers ≤ 9 by counting items and using subtraction to take away	0.5%	0.0%	10.5%	15.5%	12.3%	61.2%
13	Selects largest/smallest value from graph of ordered numbers from 1-9	1.1%	0.0%	9.8%	9.2%	21.3%	58.6%
14	Counts out one-dollar bills or pennies up to 9	0.5%	0.0%	0.9%	3.4%	7.5%	87.7%
15	Subtracts 2 prices with sums $\leq \$9$ or $\leq 9\text{¢}$ by counting one-dollar bills or pennies and using subtraction to take away	0.9%	0.0%	1.4%	7.1%	8.7%	82.0%
16*	Orders 4 consecutive numbers up to 9	0.9%	0.0%	7.1%	10.0%	8.0%	74.0%
17	Selects largest/smallest value from 1-9 in array of 5 ordered numbers	1.1%	0.0%	1.1%	2.5%	11.0%	84.2%
18	Counts out items up to 9 from larger set	0.7%	0.0%	3.2%	3.0%	9.6%	83.6%
19	Selects quantity named and shown from array of 5 ordered sets arranged in a pattern with 1-9 items - 2 similar sets	0.5%	0.0%	3.9%	6.6%	16.7%	72.4%
20*	Measures area by counting whole number amounts between 2 and 9	1.1%	0.0%	11.2%	7.1%	14.2%	66.4%
21	Identifies shortest/longest straight line path starting from different locations from an array of 5	0.9%	0.0%	1.4%	1.1%	6.2%	90.4%
22	Selects one- or five-dollar bill from array of 5 - all choices look different	0.7%	0.0%	2.3%	4.6%	10.5%	82.0%
23	Measures item length using fixed ruler	0.7%	0.0%	5.7%	5.7%	12.1%	75.8%

Appendix G: Percentages of Each Score by Item

Grade 3 Math (cont.)

Component #	Level C (n= 438)	Percentage at Each Score					
	Description	0	1	2	3	4	5
24	Selects largest/smallest value from graph of ordered numbers from 1-9	0.5%	0.0%	4.8%	4.6%	12.8%	77.4%
25	Sorts 8 items into 4 groups - all groups are distinct but resemble each other - no model	1.6%	0.2%	6.9%	13.5%	20.0%	57.8%

Appendix G: Percentages of Each Score by Item

Grade 5 Math

Component #	Level A (n= 456)	Percentage at Each Score					
	Description	0	1	2	3	4	5
1	Orients toward materials	3.1%	3.2%	1.3%	1.7%	2.7%	88.0%
2	Identifies heaviest/lightest item - all items similar in appearance - size and weight do not vary directly	2.9%	5.7%	37.2%	8.0%	20.4%	25.8%
3	Selects set with a lot/a few - smallest difference is 3x	2.7%	5.7%	21.9%	7.4%	19.3%	42.9%
4*	Selects clock - 1 distracter is similar	2.9%	4.2%	14.7%	2.7%	14.1%	61.5%
5	Selects dollar bills - all items are dissimilar in appearance	2.9%	5.2%	13.7%	4.4%	10.9%	63.0%
6	Matches items of same size - smallest difference is 3x	2.5%	5.7%	25.6%	5.0%	19.5%	41.8%
7	Identifies longest/shortest item - smallest difference is 3x	3.1%	5.0%	20.0%	6.9%	19.1%	46.0%
8*	Sorts 1 object into 1 of 3 groups -(2 similar and 1 dissimilar) - no overlap - with model	3.4%	5.7%	13.9%	8.8%	17.2%	51.0%
9	Selects biggest/smallest item - smallest difference is 3x	3.4%	4.2%	27.1%	5.5%	17.2%	42.6%
10	Identifies biggest/smallest item based on volume - smallest difference is 3x	3.4%	4.8%	27.7%	5.9%	19.8%	38.4%
11	Matches items of same volume - smallest difference is 3x	3.3%	5.2%	25.4%	9.0%	18.5%	38.6%
12	Matches 2 sets of items with 1-2 item each - difference is 3x	3.8%	4.8%	27.3%	6.3%	21.0%	36.7%
13	Selects biggest/smallest item - smallest difference is 3x	3.3%	4.8%	20.7%	6.7%	18.5%	46.1%
14	Selects set with most/least using items arranged in a pattern - smallest difference is 3x	2.9%	5.3%	34.5%	6.5%	22.7%	28.1%
15	Matches items of same length - smallest difference is 3x	2.9%	6.1%	22.7%	6.1%	18.3%	43.9%
16	Identifies longest/shortest item - smallest difference is 3x	3.1%	5.7%	25.2%	8.4%	21.0%	36.6%
17	Selects set with most/least using items arranged in a pattern - smallest difference is 3x	3.4%	5.2%	26.1%	9.5%	18.5%	37.2%
18	Selects set with a lot/a few - smallest difference is 3x	3.2%	5.0%	21.8%	8.2%	22.9%	38.9%
19	Matches items of same size - smallest difference is 3x	3.4%	5.9%	21.9%	4.2%	16.4%	48.1%
20	Matches 2 sets of items with 1-2 item each - difference is 3x	3.2%	6.5%	21.2%	4.6%	15.8%	48.7%
21	Identifies biggest/smallest item based on volume - smallest difference is 3x	3.4%	5.7%	19.5%	6.3%	19.7%	45.4%
22	Identifies heaviest/lightest item - all items similar in appearance - size and weight do not vary directly	4.8%	5.4%	19.1%	7.3%	17.8%	45.7%

Appendix G: Percentages of Each Score by Item

Grade 5 Math (cont.)

Component #	Level B (n= 584)	Percentage at Each Score					
	Description	0	1	2	3	4	5
1	Selects largest/smallest value from 1-9 in array of 4 ordered numbers	0.8%	0.6%	8.7%	6.9%	27.7%	55.3%
2	Measures item area by counting units from 1-9	1.0%	0.4%	7.5%	10.0%	23.5%	57.6%
3	Counts items in ordered array up to 9	1.5%	0.0%	7.9%	4.4%	12.3%	74.0%
4*	Measures item length by using ruler and counting units from 1-9	1.2%	0.4%	35.3%	33.9%	9.8%	19.3%
5	Selects heaviest/lightest item from array of 4 - weight and size are not related	1.2%	0.2%	13.7%	12.9%	24.9%	47.0%
6	Selects quantity named and shown from array of 4 fixed, ordered sets arranged in pattern and with 1-9 items - 1 dissimilar set	1.0%	0.0%	7.9%	11.4%	19.5%	60.1%
7	Selects largest/smallest value from graph without numbers - unordered display	1.0%	0.0%	5.2%	6.0%	16.8%	70.9%
8*	Orders consecutive numbers up to 9	1.5%	0.0%	12.5%	20.0%	12.3%	53.8%
9	Measures item length by counting 1-9 units	1.0%	1.5%	18.9%	22.2%	24.9%	31.4%
10	Matches digital time to hour from array of 4	1.2%	0.0%	1.0%	2.1%	9.1%	86.5%
11	Identifies measured amount (1 cup) from array of measuring cups and measuring spoons	2.1%	0.0%	9.8%	6.0%	24.1%	58.0%
12*	Orders 3 sets of evenly spaced-fixed items from 1-9	1.7%	0.6%	16.6%	17.5%	16.4%	47.2%
13	Selects quantity named and shown from array of 4 fixed, ordered sets arranged in pattern and with 1-9 items - 1 dissimilar set	1.7%	0.2%	8.9%	10.2%	14.6%	64.4%
14	Counts one-dollar bills or pennies up to 9	1.5%	0.2%	6.2%	11.6%	14.3%	66.1%
15	Locates number named up to 9 in 5-6 item display	2.1%	0.0%	3.7%	0.6%	5.2%	88.4%
16*	Sorts 4 items into 4 groups - 2 pairs overlap on 1 dimension - with model	1.5%	0.2%	4.4%	32.2%	15.8%	45.9%
17	Selects largest/smallest value from 1-9 in array of 4 ordered numbers	1.2%	0.0%	13.3%	10.8%	32.6%	42.0%
18	Measures item length by counting 1-9 units	1.7%	0.6%	18.1%	20.4%	22.2%	37.0%
19	Selects one-dollar bill from array of 4 - all distracters are coins	2.1%	0.0%	5.0%	2.5%	12.7%	77.8%
20	Measures item length by counting units from 1-9	1.5%	0.0%	6.9%	7.3%	9.4%	75.1%
21	Selects largest/smallest value from graph without numbers - unordered display	1.2%	0.0%	16.4%	17.7%	29.3%	35.3%
22	Matches digital time to hour from array of 4	1.2%	0.2%	2.3%	1.9%	7.1%	87.3%
23	Selects heaviest/lightest item from array of 4 - weight and size are not related	1.7%	0.2%	4.6%	2.1%	10.8%	80.7%
24	Counts one-dollar bills or pennies up to 9	2.5%	0.4%	5.6%	4.8%	8.5%	78.2%

Appendix G: Percentages of Each Score by Item

Grade 5 Math (cont.)

Component #	Level C (n= 461) Description	Percentage at Each Score					
		0	1	2	3	4	5
1	Selects penny, nickel, dime or quarter from array of 5, based on value	0.4%	0.0%	1.8%	3.0%	7.5%	87.3%
2	Subtracts 2 numbers named and shown ≤ 19 using a calculator and using subtraction to take away	0.4%	0.0%	11.3%	12.3%	15.9%	60.1%
3	Measures item length to within an inch	0.4%	0.2%	10.7%	15.5%	14.9%	58.3%
4*	Multiplies numbers with products ≤ 18 by counting fixed items	0.6%	0.0%	6.0%	8.7%	11.5%	73.2%
5	Measures item area by counting units from 1-19	0.4%	0.0%	3.0%	3.4%	10.5%	82.7%
6	Selects item most appropriate for filling a larger item from array of 5	0.4%	0.0%	7.3%	6.3%	17.5%	68.5%
7	Adds 2 prices named and shown with sums $\leq \$19$ or 19¢ using a calculator and using action	0.4%	0.0%	7.1%	11.9%	14.3%	66.3%
8*	Counts five-dollar bills to fifteen dollars	1.2%	0.0%	6.9%	10.5%	12.7%	68.7%
9	Sorts 9 items into 4 groups - 1 pair varies on 1 dimension - no model	0.4%	0.0%	7.5%	23.0%	22.2%	47.0%
10	Subtracts to identify part from whole by counting with numbers ≤ 19	0.6%	0.0%	4.4%	7.5%	12.3%	75.2%
11	Selects closest quantity from array of 5 sets with 1-19 using model of 2 similar sets	0.2%	0.0%	7.5%	5.6%	18.1%	68.5%
12*	Selects equally divided continuous item from array of 5 figures - 1 distracter is equally divided	0.8%	0.0%	2.6%	2.6%	5.4%	88.5%
13	Counts items in ordered array up to 19 starting at 2 or more	1.0%	0.0%	10.7%	28.5%	16.2%	43.6%
14	Measures to whole cup by locating 1 of 5 marked quantities	1.0%	0.2%	12.1%	15.5%	14.5%	56.7%
15	Counts one-dollar bills or pennies up to 19 starting at 2 or more	0.2%	0.0%	6.3%	17.0%	16.6%	60.0%
16*	Reads digital time to 15 minutes	0.4%	0.0%	6.1%	10.9%	8.9%	73.7%
17	Selects largest or smallest value from 1-19 in array of 5 unordered numbers	0.6%	0.0%	2.2%	1.8%	11.3%	84.1%
18	Counts out items up to 19 from a larger set	0.2%	0.0%	1.6%	1.8%	9.5%	86.9%
19	Subtracts 2 prices named and shown $\leq \$19$ or $\leq 19\text{¢}$ using a calculator and using subtraction to take away	0.6%	0.0%	11.1%	14.5%	18.5%	55.2%
20	Identifies heaviest/lightest item - varying sizes from array of 5	0.6%	0.0%	2.2%	3.6%	9.9%	83.7%
21	Adds 3 numbers named and shown with sum ≤ 19 using a calculator and using action	1.2%	0.0%	10.5%	13.1%	11.1%	64.1%
22	Identifies shortest/longest straight line path starting from same location from an array of 5	1.2%	0.0%	2.6%	1.6%	9.7%	84.9%
23	Counts out one-dollar bills or pennies to 19 from a larger set	0.8%	0.0%	6.9%	8.1%	15.9%	68.3%
24	Adds 2 numbers named and shown with sum ≤ 19 using a calculator and using action	1.2%	0.0%	6.9%	5.8%	8.7%	77.4%

Appendix G: Percentages of Each Score by Item

Grade 8 Math

Component #	Level A (n= 601) Description	Percentage at Each Score					
		0	1	2	3	4	5
1	Scans materials	3.5%	3.5%	1.7%	1.5%	5.7%	84.2%
2	Selects set with most/least using items arranged in a pattern - smallest difference is 2x	1.7%	6.8%	22.3%	4.3%	23.3%	41.6%
3	Matches digital time 1:00 or 2:00 from array of 3 - distracters are pictures	1.7%	6.3%	18.3%	5.3%	19.3%	49.1%
4*	Identifies result of addition as a combination of 2 smaller sets of items with sums <9	2.2%	7.8%	28.1%	19.0%	17.8%	25.1%
5	Selects set with 1 - smallest difference is 2x	1.7%	5.7%	14.5%	6.7%	11.8%	59.7%
6	Matches identical numbers from 1-2 - distracters are pictures	1.8%	7.0%	15.3%	5.0%	13.3%	57.6%
7	Matches 2 sets of items with 1-2 items each - difference is 2x	2.2%	6.7%	21.6%	5.2%	19.3%	45.1%
8*	Identifies daytime/nighttime item or activity	2.3%	6.7%	14.5%	6.0%	16.3%	54.2%
9	Selects dollar bills - one distracter is similar and one dissimilar in appearance	2.0%	6.3%	13.3%	3.0%	11.2%	64.2%
10	Identifies longest/shortest item - smallest difference is 2x	2.2%	6.2%	16.5%	6.3%	16.0%	52.8%
11	Matches items of same size - smallest difference is 2x	2.0%	8.2%	22.6%	5.3%	19.1%	42.8%
12*	Sorts 1 object into 2 of 3 groups (all similar) - no overlap - with model	2.5%	6.0%	16.1%	5.3%	11.3%	58.7%
13	Matches items with same volume - smallest difference is 2x	2.3%	5.8%	20.6%	6.5%	17.8%	46.9%
14	Identifies biggest/smallest item base on volume - smallest difference is 2x	1.8%	6.0%	19.5%	5.2%	20.6%	46.9%
15	Matches item to space - distracters are dissimilar	2.5%	6.8%	18.5%	6.7%	19.1%	46.4%
16*	Identifies result of subtraction as smaller set of objects	3.0%	6.5%	31.3%	17.0%	17.0%	25.3%
17	Selects clock - both distracters are similar	2.2%	5.8%	12.5%	3.7%	11.5%	64.4%
18	Matches digital time 1:00 or 2:00 from array of 3 - distracters are pictures	2.3%	5.8%	16.5%	4.3%	13.1%	57.9%
19	Selects biggest/smallest item - smallest difference is 2x	2.2%	6.0%	20.1%	5.0%	16.6%	50.1%
20	Identifies heaviest/lightest item - items differ in appearance and size and weight vary directly	2.7%	5.3%	16.8%	4.7%	14.1%	56.4%
21	Matches items with same length - smallest difference is 2x	2.5%	6.8%	14.8%	4.8%	18.5%	52.6%
22	Selects full/empty item	3.0%	6.2%	17.3%	3.7%	12.8%	57.0%
23	Selects set with most/least using items arranged in a pattern - smallest difference is 2x	2.3%	7.2%	24.0%	5.7%	25.8%	35.0%
24	Matches identical numbers from 1-2 - distracters are pictures	2.8%	7.0%	14.3%	3.7%	12.7%	59.5%

Appendix G: Percentages of Each Score by Item

Grade 8 Math (cont.)

Component #	Level B (n= 504) Description	Percentage at Each Score					
		0	1	2	3	4	5
1	Counts items in ordered array up to 19 starting at 2 or more with bridge	0.6%	0.0%	7.5%	19.2%	17.9%	54.8%
2	Selects quantity named and shown from array of 4 ordered sets arranged in pattern and containing 1-19 items - 3 similar sets	0.6%	0.0%	7.5%	16.3%	19.0%	56.5%
3	Selects unit of time associated with activity from array of 4 numbers with 3 time labels	1.0%	0.2%	14.1%	11.9%	24.4%	48.4%
4*	Selects 1, 5, 10 or 25 cents from array of 4 - all distracters are coins	1.4%	0.0%	3.6%	5.8%	12.9%	76.4%
5	Counts one-dollar bills or pennies up to 19 starting at 2 or more with bridge	1.4%	0.0%	6.7%	12.1%	13.3%	66.5%
6	Matches digital time to half hour from array of 4	0.8%	0.0%	1.6%	2.6%	8.1%	86.9%
7	Selects largest/smallest value from 1-19 in array of 4 unordered numbers with varying 10s place	0.8%	0.0%	10.1%	9.3%	22.4%	57.3%
8*	Orders 3 sets of evenly-spaced fixed items from 1-19 - all have same 10s place	1.8%	0.0%	8.9%	13.9%	12.3%	63.0%
9	Measures item area by counting units from 1-19	0.8%	0.0%	6.2%	8.1%	13.3%	71.6%
10	Adds 2 prices with sums $\leq \$19$ or $\leq 19\text{¢}$ by counting sets of one-dollar bills or pennies	0.8%	0.0%	15.7%	23.6%	19.4%	40.5%
11	Selects longest/shortest flexible item 1-19 inches in length from array of 4	1.2%	0.0%	3.2%	1.4%	5.0%	89.3%
12*	Selects activity that takes the least/most amount of time from 7-8 a item table of 4 times with hours	1.0%	0.0%	8.3%	10.3%	16.7%	63.7%
13	Selects quantity named and shown from array of 4 ordered sets arranged in pattern and containing 1-19 items - 3 similar sets	0.4%	0.0%	7.1%	9.5%	12.1%	70.8%
14	Identifies measured amount (1/2 cup, 1/4 cup) from array of cups and spoons	1.4%	0.0%	13.1%	14.3%	28.8%	42.5%
15	Counts out items to 19 from a larger set	0.6%	0.0%	3.8%	4.0%	9.1%	82.5%
16*	Orders 3 items according to weight - size and weight vary directly	1.2%	0.2%	13.3%	13.7%	16.5%	55.2%
17	Selects activity associated with time from array of 4	0.8%	0.0%	10.7%	7.3%	21.4%	59.7%
18	Measures item area by counting units from 1-19 - one dimension is constant	1.2%	0.0%	2.4%	2.0%	9.9%	84.5%
19	Counts items in ordered array up to 19 starting at 2 or more with bridge	0.8%	0.0%	8.5%	12.3%	11.5%	66.9%
20*	Locates number described up to 19 in 7-8 item display	2.2%	0.0%	8.7%	9.5%	11.9%	67.7%
21	Counts one-dollar bills or pennies up to 19 from a larger set	0.6%	0.2%	7.1%	5.6%	12.3%	74.2%

Appendix G: Percentages of Each Score by Item

Grade 8 Math (cont.)

Component #	Level B (n= 504) Description	Percentage at Each Score					
		0	1	2	3	4	5
22	Matches digital time to half hour from array of 4	1.4%	0.0%	1.4%	0.6%	5.4%	91.3%
23	Selects unit of time associated with activity from array of 4 numbers with 3 time labels	0.8%	0.0%	26.8%	14.3%	28.6%	29.6%
24	Subtracts 2 prices $\leq \$19$ or $\leq 19\text{¢}$ by counting dollars or pennies and using subtraction to take away	1.0%	0.0%	3.8%	8.9%	15.7%	70.6%
25	Selects largest/smallest value from 1-19 in array of 4 unordered numbers with varying 10s place	1.4%	0.0%	12.6%	15.6%	28.3%	42.1%

Appendix G: Percentages of Each Score by Item

Grade 8 Math (cont.)

Component #	Level C (n= 499)	Percentage at Each Score					
	Description	0	1	2	3	4	5
1	Sorts 9 items into 4 groups - 2 pairs vary on 1 dimension - no model	0.2%	0.0%	9.2%	12.7%	20.7%	57.2%
2	Determines least/most likely outcome, given characteristics of population of items up to 99 - extreme proportions	0.4%	0.2%	11.2%	7.4%	14.6%	66.1%
3	Counts out money from a combination of one- and five-dollar bills, or one- and ten-dollar bills from a larger set up to \$99	0.2%	0.0%	5.8%	8.0%	15.8%	70.1%
4*	Reads digital time to minute	0.6%	0.0%	6.8%	7.0%	16.8%	68.7%
5	Counts fixed items in unordered array to 99	0.2%	0.0%	2.0%	3.4%	11.8%	82.6%
6	Matches analogue time to half hour with digital time in array of 5	0.2%	0.0%	2.6%	0.8%	5.4%	91.0%
7	Selects division of item from array of 5 continuous figures - 2 choices are unequally spaced	0.2%	0.0%	5.0%	3.4%	10.6%	80.8%
8*	Adds 2 numbers with sums <99 using a calculator, action and a word problem	0.4%	0.0%	15.4%	11.4%	18.0%	54.7%
9	Measures volume using non-standard unit with enough items to measure the volume (<10)	1.0%	0.4%	16.2%	11.2%	27.9%	43.3%
10	Adds 2 prices with sums <\$99 or <99¢ using a calculator, action and a word problem	0.2%	0.0%	6.8%	5.8%	17.2%	69.9%
11	Adds 3 numbers with sums <99 using a calculator, action and a word problem	0.4%	0.0%	5.0%	4.2%	12.9%	77.5%
12*	Identifies shortest/longest path from 5 paths with different starting point, angled turn, and different ending points from array of 5	0.4%	0.0%	3.0%	4.8%	9.6%	82.2%
13	Measures item length to within 1/2 inch	0.2%	0.2%	26.5%	19.8%	12.2%	41.1%
14	Counts using a combination of one- and five- or one- and ten- dollar bills to \$99	0.2%	0.0%	6.0%	6.4%	10.0%	77.4%
15	Subtracts 2 numbers <99 using a calculator, a word problem and using subtraction to take away	0.2%	0.2%	10.0%	8.6%	20.8%	60.1%
16*	Orders 4 non-consecutive numbers up to 99 - all have same 10s place	0.4%	0.0%	2.8%	1.6%	5.2%	90.0%
17	Selects result of sum of 2 moveable figures from array of 5 continuous figures - all choices <1	0.6%	0.0%	12.4%	16.8%	24.2%	45.9%
18	Counts items using combination of 1s and 5s or 1s and 10s to 99	1.0%	0.0%	8.6%	13.0%	14.2%	63.1%
19	Identifies heaviest/lightest set of 2-3 items - from array of 5	0.6%	0.2%	6.0%	9.8%	17.4%	65.9%
20*	Selects picture with biggest/smallest fraction - division is shown	0.6%	0.2%	9.2%	8.0%	14.6%	67.3%
21	Selects closest amount from array of 5 sets with 10-99 using model and 3 similar sets	0.6%	0.0%	10.8%	9.6%	23.8%	55.1%

Appendix G: Percentages of Each Score by Item

Grade 8 Math (cont.)

Component #	Level C (n= 499)	Percentage at Each Score					
	Description	0	1	2	3	4	5
22	Identifies item that can be purchased given money available - from \$1 to \$99	0.6%	0.0%	7.8%	5.0%	18.6%	67.9%
23	Subtracts 2 prices <\$99 or <99¢ using a calculator, a word problem and using subtraction to take away	0.6%	0.0%	8.8%	6.8%	13.4%	70.3%
24	Measures area using non-standard unit with enough items to measure the area	0.4%	0.2%	15.8%	11.4%	20.2%	51.9%
25	Counts quarters, dimes and nickels to \$1	3.6%	0.0%	10.4%	9.0%	6.6%	70.3%

Appendix G: Percentages of Each Score by Item

Grade 11 Math

Component #	Level A (n= 591)	Percentage at Each Score					
	Description	0	1	2	3	4	5
1	Scans materials	3.0%	3.7%	0.2%	1.4%	4.4%	87.3%
2	Matches identical numbers from 1-5 - distracters are icons	2.0%	8.8%	11.8%	3.6%	12.7%	61.1%
3	Matches item to space - one distracter is similar, one is dissimilar	3.0%	6.8%	12.2%	7.3%	17.9%	52.8%
4*	Matches digital time 1:00 - 5:00 from array of 3 - distracters are single digit whole numbers	3.2%	7.6%	13.4%	2.5%	14.6%	58.6%
5	Selects biggest/smallest item - smallest difference is 1x	2.9%	6.9%	13.4%	3.6%	14.2%	59.1%
6	Selects set with 1 - smallest difference is 1x	2.9%	8.1%	11.8%	4.6%	11.5%	61.1%
7	Identifies heaviest/lightest item - items differ in appearance and size and weight do not vary directly	3.4%	6.1%	17.3%	7.3%	18.8%	47.2%
8*	Identifies result of subtraction as smaller set of objects	3.0%	8.6%	26.1%	17.8%	15.7%	28.8%
9	Identifies biggest/smallest item based on volume - smallest difference is 1x	3.9%	6.3%	14.9%	4.6%	17.6%	52.8%
10	Selects dollar bill - all items are similar in appearance	3.6%	5.4%	10.3%	2.4%	8.6%	69.7%
11	Selects set with most/least using items arranged in a pattern - smallest difference is 1x	3.4%	6.8%	15.6%	5.1%	18.8%	50.4%
12*	Selects full/half-full/empty item	4.1%	6.4%	17.1%	6.1%	17.4%	48.9%
13	Matches item of same size - smallest difference is 1x	3.0%	8.1%	17.6%	2.9%	18.1%	50.3%
14	Matches items with same volume - smallest difference is 1x	3.4%	7.1%	16.1%	6.3%	16.6%	50.6%
15	Matches 2 sets of items with 1-5 items each - difference is 1x	2.9%	7.4%	17.3%	4.9%	14.9%	52.6%
16*	Sorts 3 objects into 3 dissimilar groups - no overlap - with model	4.2%	6.9%	13.5%	8.6%	13.9%	52.8%
17	Matches 2 sets of items with 1-5 items each - difference is 1x	3.2%	7.6%	16.6%	4.2%	16.4%	51.9%
18	Matches item of same size - smallest difference is 1x	3.2%	7.1%	14.6%	3.2%	16.1%	55.8%
19	Identifies longest/shortest item - smallest difference is 1x	3.1%	7.5%	20.8%	4.9%	19.7%	44.1%
20	Selects set with most/least using items arranged in a pattern - smallest difference is 1x	4.2%	7.6%	23.7%	7.5%	23.9%	33.1%
21	Identifies longest/shortest item - smallest difference is 1x	3.4%	6.8%	16.6%	3.2%	15.6%	54.5%
22	Matches item to space - one distracter is similar, one is dissimilar	3.7%	4.9%	12.8%	8.3%	9.9%	60.3%

Appendix G: Percentages of Each Score by Item

Grade 11 Math (cont.)

Component #	Level A (n= 591)	Percentage at Each Score					
	Description	0	1	2	3	4	5
23	Matches item of same length - smallest difference is 1x	3.6%	7.8%	16.5%	2.2%	13.1%	56.9%
24	Selects biggest/smallest item - smallest difference is 1x	4.8%	5.8%	12.2%	2.2%	13.9%	61.1%

Appendix G: Percentages of Each Score by Item

Grade 11 Math (cont.)

Component #	Level B (n= 448)	Percentage at Each Score					
	Description	0	1	2	3	4	5
1	Adds 2 prices named and shown with sums $\leq \$99$ or $\leq 99¢$ using a calculator	1.1%	0.7%	5.1%	5.6%	13.6%	73.9%
2	Evaluates distances from 1-99 feet/miles by selecting from array of 4	1.1%	0.4%	3.8%	4.5%	8.3%	81.9%
3	Subtracts 2 numbers named and shown ≤ 99 using a calculator and using subtraction to take away	2.0%	0.0%	12.5%	18.1%	15.4%	52.0%
4*	Names amount of coin	2.0%	0.0%	8.9%	14.1%	16.7%	58.3%
5	Selects closest amount from array of 4 sets with 1-19 using model and 2 similar sets	1.6%	0.0%	8.3%	6.9%	16.3%	67.0%
6	Counts out one-dollar bills or pennies up to 99 from a larger set	1.8%	0.2%	10.0%	8.0%	18.3%	61.6%
7	Selects measuring spoon (tablespoon, teaspoon) from array of measuring spoons and cups	2.5%	0.0%	9.8%	12.1%	21.9%	53.8%
8*	Sorts 9 items into 4 similar groups - no overlap - no model	2.5%	0.2%	3.3%	14.1%	14.5%	65.4%
9	Locates number described up to 99 in 9-10 item display	2.0%	0.2%	15.7%	17.7%	15.7%	48.8%
10	Counts item by 5s up to 95	2.0%	0.0%	7.8%	10.3%	12.7%	67.2%
11	Multiplies numbers by 2s or 5s with products ≤ 99 by counting moveable items	2.0%	0.0%	7.4%	15.2%	14.3%	61.2%
12*	Orders 3 numbers up to 99 - all with same 10s place	2.0%	0.2%	3.8%	4.7%	8.0%	81.3%
13	Selects digital time named to hour	2.5%	0.0%	1.3%	1.1%	1.6%	93.5%
14	Orders 3 items according to weight - size and weight are not related	1.8%	0.2%	14.1%	18.1%	16.3%	49.6%
15	Identifies measured amount (1/2-cup, 1/4-cup) from array of cups	2.9%	0.4%	11.6%	18.3%	20.6%	46.1%
16*	Traces shortest path between 3 locations	2.0%	0.4%	15.6%	21.2%	19.6%	41.1%
17	Selects appropriately sized container for several items	2.2%	0.2%	2.0%	6.5%	11.2%	77.9%
18	Adds 3 numbers named and shown with sums ≤ 99 using a calculator and action	2.2%	0.0%	6.9%	7.4%	12.3%	71.2%
19	Counts out items to 99 from a larger set	2.0%	0.0%	5.6%	4.0%	8.9%	79.5%
20	Selects longest/shortest distance from array of 4	1.8%	0.0%	4.5%	5.4%	11.4%	77.0%
21	Selects largest/smallest value from 1-99 in array of 4 unordered numbers - same 10s place	2.7%	0.2%	6.7%	5.6%	17.4%	67.4%
22	Measures length to one inch using ruler	2.5%	0.4%	8.9%	17.9%	17.6%	52.7%
23	Selects activity that takes the least/most amount of time from array of 4	2.2%	0.0%	18.8%	14.1%	26.3%	38.6%
24	Selects equally divided continuous item from array of 4 figures - 2 unequal	2.9%	0.2%	9.0%	9.4%	16.9%	61.6%

Appendix G: Percentages of Each Score by Item

Grade 11 Math (cont.)

Component #	Level C (n= 291)	Percentage at Each Score					
	Description	0	1	2	3	4	5
1	Sorts 9 items into 4 groups - all vary on 2 dimensions - no model	0.3%	0.7%	4.1%	15.5%	19.7%	59.7%
2	Counts items using a combination of 1s, 2s, 5s, 10s or 20s to 500	3.1%	0.7%	13.1%	30.2%	15.8%	37.1%
3	Links expression subtracting 2 numbers ≤ 500 to problem situation from array of 5	1.0%	0.0%	2.7%	4.8%	15.8%	75.6%
4*	Adds 2 number with sums ≤ 500 using a calculator and a word problem without action	2.1%	1.0%	7.6%	13.4%	14.8%	61.2%
5	Determines expected value from graphically displayed pattern with values to 500 by selecting from array of 5 numbers - all choices are within 20 of range	1.4%	0.3%	8.9%	15.1%	19.2%	55.0%
6	Adds 3 two-digit numbers using calculator and a word problem without action	1.7%	0.0%	2.4%	3.8%	14.4%	77.7%
7	Multiplies numbers with products ≤ 500 using a calculator and no natural groups	1.7%	0.0%	17.2%	17.6%	19.0%	44.5%
8*	Divides discrete items into fractions of whole	2.1%	0.3%	18.9%	19.6%	10.3%	48.8%
9	Counts change using a combination of quarters, nickels, dimes and/or pennies to \$5	2.4%	0.0%	10.3%	14.4%	17.9%	55.0%
10	Selects closest dollar amount from array of 5 amounts from \$1-\$500	2.1%	0.3%	8.6%	12.0%	18.6%	58.4%
11	Selects result of sum of 2 fixed figures from array of 5 continuous figures - all choices < 1	1.7%	0.0%	14.8%	17.9%	21.6%	44.0%
12*	Identifies item that can be purchased given money available - from \$1-\$500	1.7%	0.3%	19.2%	7.9%	13.7%	57.0%
13	Determines least/most likely outcome, given characteristics of population of items up to 500 - close proportions	2.4%	0.3%	5.9%	9.7%	14.1%	67.6%
14	Measures by locating 1 Of 5 marked quantities	3.1%	0.0%	8.2%	6.5%	13.1%	69.1%
15	Measures volume using non-standard unit - with enough items to measure the volume (< 20)	2.7%	1.4%	28.2%	22.7%	18.2%	26.8%
16*	Determines mode from graph with values to 99 by selecting from 5 bars - at least 2 bars are 14 or fewer units from mean	3.8%	0.3%	5.2%	5.8%	7.9%	77.0%
17	Matches fraction symbol shown to picture from array of 5 - all choices are < 1	2.4%	1.0%	2.4%	3.8%	14.8%	75.6%
18	Subtracts 2 numbers ≤ 500 using a calculator, a word problem, and using subtraction to determine difference	2.1%	0.3%	8.9%	12.4%	18.9%	57.4%
19	Measures item length to within $\frac{1}{4}$ inch	2.4%	0.7%	37.8%	23.0%	8.9%	27.1%
20	Reads fraction	2.1%	0.0%	5.5%	4.5%	4.8%	83.2%
21	Orders 4 non-consecutive numbers up to 500 - all have same 100s and 10s place	2.1%	0.0%	3.4%	3.8%	4.5%	86.3%

Appendix G: Percentages of Each Score by Item

Grade 11 Math (cont.)

Component #	Level C (n= 291)	Percentage at Each Score					
	Description	0	1	2	3	4	5
22	Selects fraction represented in continuous figure from array of 5	2.1%	0.3%	11.0%	11.0%	18.6%	57.0%
23	Determines time using hours and starting time	2.1%	0.3%	7.2%	7.9%	13.1%	69.4%
24	Creates heaviest/lightest set of items	2.4%	0.0%	2.8%	8.0%	8.7%	78.2%

Appendix G: Percentages of Each Score by Item

Grade 3 Reading

Component #	Level A (n= 442)	Percentage at Each Score					
	Description	0	1	2	3	4	5
1	Orients towards set of objects	3.2%	4.3%	0.5%	2.0%	4.8%	85.3%
2	Selects object named - distracters are objects from different categories in appearance	2.7%	5.9%	18.3%	3.6%	16.1%	53.4%
3	Matches identical objects - distracters are objects from different categories in appearance	2.5%	5.9%	28.1%	5.0%	20.4%	38.1%
4*	Identifies category of object - distracters are objects from different conceptual categories	3.4%	5.7%	27.4%	5.2%	24.4%	33.9%
5*	Selects object by function - distracters are objects from different conceptual categories	3.4%	6.1%	28.7%	4.3%	21.9%	35.5%
6*	Demonstrates function of object - open-ended response	3.6%	5.9%	29.4%	2.5%	17.0%	41.6%
7	Selects similar object - distracters are objects from different conceptual categories	3.2%	5.9%	35.1%	5.4%	24.2%	26.2%
8	Answers literal 'what' question by selecting object - distracters are objects from different conceptual categories	2.5%	6.3%	21.9%	3.6%	17.2%	48.4%
9	Selects related objects - distracters are objects from different conceptual categories	2.7%	5.0%	24.2%	3.2%	22.4%	42.5%
10	Answers literal 'who' question by selecting object - distracters are objects from different conceptual categories	3.6%	5.4%	32.1%	4.1%	18.6%	36.2%
11	Selects object named - distracters are objects from different conceptual categories	3.8%	5.9%	19.7%	3.4%	13.6%	53.6%
12	Matches identical objects - distracters are objects from different categories in appearance	4.1%	6.1%	30.4%	6.3%	19.0%	34.0%
13	Selects similar object - distracters are objects from different conceptual categories	3.9%	5.5%	27.3%	3.4%	19.1%	40.9%
14	Answers literal 'what' question by selecting object - distracters are objects from different conceptual categories	4.1%	4.8%	25.3%	4.3%	19.2%	42.3%
15	Selects related objects - distracters are objects from different conceptual categories	3.6%	4.8%	25.1%	3.2%	21.7%	41.6%
16	Matches identical objects - distracters are objects from different categories in appearance	4.1%	4.5%	30.3%	4.5%	19.5%	37.1%
17	Selects object named - distracters are objects from different categories in appearance	4.3%	5.0%	15.8%	2.0%	12.9%	60.0%
18	Selects similar object - distracters are objects from different conceptual categories	4.1%	5.4%	22.2%	4.5%	22.2%	41.6%
19	Selects related objects - distracters are objects from different conceptual categories	4.8%	5.7%	25.8%	6.1%	21.0%	36.7%
20	Answers literal 'who' question by selecting object - distracters are objects from different conceptual categories	3.9%	4.8%	19.0%	3.6%	17.2%	51.5%

Appendix G: Percentages of Each Score by Item

Grade 3 Reading (cont.)

Component #	Level A (n= 442)	Percentage at Each Score					
	Description	0	1	2	3	4	5
21	Selects similar object - distracters are objects from different conceptual categories	4.1%	5.4%	21.3%	4.8%	24.4%	40.0%
22	Selects object named - distracters are objects from different categories in appearance	4.8%	5.2%	18.1%	4.1%	14.7%	53.2%
23	Selects related objects - distracters are objects from different conceptual categories	7.2%	5.0%	27.4%	3.4%	23.3%	33.7%

Appendix G: Percentages of Each Score by Item

Grade 3 Reading (cont.)

Component #	Level B (n= 498)	Percentage at Each Score					
	Description	0	1	2	3	4	5
1	Selects picture with beginning sound named	0.4%	0.0%	7.1%	5.3%	19.9%	67.3%
2	Selects picture named - distracters are pictures from same category in appearance	0.4%	0.0%	2.4%	2.6%	10.5%	84.0%
3	Answers literal 'who' question by selecting picture - distracters are pictures from same conceptual category	0.2%	0.2%	9.5%	3.7%	21.1%	65.3%
4*	Matches identical word - all choices have different beginning and ending sound	0.6%	0.0%	4.5%	1.6%	13.8%	79.5%
5*	Names icon - open-ended response	0.4%	1.0%	20.7%	8.5%	13.0%	56.4%
6*	Selects picture demonstrating meaning of word	0.6%	0.0%	0.8%	1.0%	9.3%	88.2%
7	Demonstrates understanding of 2-10 word, 1-step oral command	0.6%	0.2%	2.8%	1.2%	7.3%	87.8%
8	Selects similar pictures - distracters are pictures from same conceptual category	0.4%	0.4%	8.9%	6.1%	23.2%	61.0%
9	Identifies category of picture - distracters are pictures from different conceptual categories	0.2%	0.0%	2.6%	1.8%	9.7%	85.6%
10	Selects picture by feature	0.4%	0.0%	5.1%	3.9%	16.2%	74.4%
11	Selects picture by function - distracters are pictures from same conceptual category	0.2%	0.0%	2.6%	1.6%	8.9%	86.6%
12*	Selects icon named	0.4%	0.0%	3.2%	2.4%	10.3%	83.6%
13	Answers literal 'what' question by selecting picture - distracters are pictures from same conceptual categories	0.0%	0.0%	5.3%	3.4%	9.7%	81.5%
14	Identifies category of picture - distracters are pictures from different conceptual categories	0.0%	0.0%	6.1%	3.0%	16.0%	74.8%
15	Selects picture with beginning sound named	0.2%	0.0%	4.9%	4.3%	16.0%	74.6%
16*	Names an item in a complex picture - open-ended response	0.4%	0.4%	20.3%	13.0%	14.6%	51.3%
17	Demonstrates understanding of 2-10 word, 1-step oral command	1.6%	0.4%	6.3%	3.3%	13.2%	75.2%
18	Answers literal 'who' question by selecting picture - distracters are pictures from same conceptual categories	0.2%	0.2%	9.9%	3.4%	20.1%	66.1%
19	Selects related pictures - distracters are pictures from same conceptual category	0.2%	0.0%	3.7%	1.8%	12.0%	82.4%
20	Selects related pictures - distracters are pictures from same conceptual category	0.2%	0.0%	8.5%	2.8%	16.0%	72.4%
21	Locates picture named in 4-item display - distracters are pictures from same category in appearance	0.2%	0.0%	2.2%	1.6%	8.3%	87.6%
22	Selects picture by feature	0.2%	0.0%	3.7%	1.2%	8.7%	86.2%
23	Answers literal 'what' question by selecting picture - distracters are pictures from same conceptual categories	0.4%	0.0%	6.3%	2.4%	13.6%	77.3%

Appendix G: Percentages of Each Score by Item

Grade 3 Reading (cont.)

Component #	Level B (n= 498)	Percentage at Each Score					
	Description	0	1	2	3	4	5
24	Selects picture with beginning sound named	0.6%	0.0%	6.7%	5.1%	20.1%	67.5%
25	Selects picture by function - distracters are pictures from same conceptual category	0.8%	0.2%	18.6%	12.7%	30.8%	36.9%

Appendix G: Percentages of Each Score by Item

Grade 3 Reading (cont.)

Component #	Level C (n= 393)	Percentage at Each Score					
	Description	0	1	2	3	4	5
1	Predicts topic of story from picture by selecting from array of 5 words	0.5%	0.0%	6.4%	7.6%	13.0%	72.5%
2	Selects 1 word with beginning sound named in array of 5	0.3%	0.0%	1.3%	3.3%	5.3%	89.8%
3	Reads 1 word in isolation	0.8%	0.3%	5.9%	6.4%	12.0%	74.7%
4*	Reads 1 word in context	0.3%	0.3%	7.9%	6.1%	7.4%	78.1%
5*	Answers literal 'who' question after hearing 3 sentence	1.0%	0.0%	6.4%	6.9%	12.0%	73.8%
6*	Answers literal 'when' question after hearing 3 sentence	0.8%	0.0%	10.4%	8.9%	8.9%	71.0%
7	Reads 1 word in context	0.5%	0.0%	5.1%	3.6%	5.6%	85.2%
8	Selects picture to identify main event from narrative text	0.3%	0.0%	6.6%	5.9%	15.5%	71.8%
9	Orders 3 pictures based on text	0.8%	0.0%	9.7%	22.6%	14.8%	52.2%
10	Selects 1 word named in array of 5 with all choices having same beginning letter	0.3%	0.0%	2.3%	3.3%	8.4%	85.8%
11	Selects 1 word by function in array of 5 words	0.0%	0.0%	0.8%	1.0%	1.3%	96.9%
12*	Gives an example to complete a definition	0.3%	0.0%	6.9%	9.7%	14.5%	68.7%
13	Reads 1 word in context	0.5%	0.0%	3.3%	3.1%	5.9%	87.3%
14	Selects picture to identify main event from narrative text	0.0%	0.0%	4.1%	3.8%	14.2%	77.9%
15	Locates 1-2 words named in a 5-6 item display with text or in real materials	0.3%	0.0%	0.8%	2.0%	6.4%	90.6%
16	Selects 1 word by function in array of 5 words	0.3%	0.0%	1.3%	2.5%	8.7%	87.3%
17	Selects 1 word with beginning sound named in array of 5	0.5%	0.0%	0.8%	1.3%	6.6%	90.8%
18	Reads 1 word in isolation	0.5%	0.3%	8.1%	8.4%	10.2%	72.5%
19	Selects picture representing 1 word read silently from array of 5 pictures	0.8%	0.0%	0.8%	1.3%	5.3%	91.9%
20	Demonstrates understanding of 2-10 word, 2-step oral command	0.3%	0.5%	1.3%	5.1%	8.4%	84.5%
21	Reads 1 word in isolation	1.5%	0.3%	3.1%	5.3%	4.1%	85.8%
22	Selects 1 word within same conceptual category	0.5%	0.0%	7.7%	6.6%	25.0%	60.2%
23	Selects picture representing 1 word read silently from array of 5 pictures	0.5%	0.0%	1.0%	2.3%	5.4%	90.8%
24	Selects 1 word within same conceptual category	1.5%	0.5%	1.0%	1.5%	11.2%	84.2%

Appendix G: Percentages of Each Score by Item

Grade 5 Reading

Component #	Level A (n= 456)	Percentage at Each Score					
	Description	0	1	2	3	4	5
1	Orients toward set of objects	2.9%	3.9%	1.1%	0.2%	3.1%	88.8%
2	Selects similar objects - distracters are objects from same and different conceptual categories	2.9%	7.7%	27.9%	6.8%	21.7%	33.1%
3	Selects object by function - distracters are objects from same and different conceptual categories	2.9%	5.7%	20.6%	3.9%	20.4%	46.5%
4*	Identifies category of object - distracters are objects from same and different conceptual categories	3.9%	6.1%	23.0%	9.0%	20.2%	37.7%
5*	Demonstrates function of 2 related objects - open-ended response	3.5%	7.5%	27.2%	22.1%	16.2%	23.5%
6*	Selects object named - distracters are objects from same and different categories in appearance	3.1%	5.0%	14.3%	2.2%	14.0%	61.4%
7	Selects related objects - distracters are objects from same and different conceptual categories	3.5%	5.5%	21.5%	6.1%	19.3%	44.1%
8	Matches identical objects - distracters are objects from same and different categories in appearance	3.5%	5.3%	25.0%	7.2%	21.7%	37.3%
9	Answers literal 'who' question by selecting object - distracters are objects from same and different conceptual categories	3.3%	5.9%	20.8%	5.3%	21.1%	43.6%
10	Selects object by function - distracters are objects from same and different conceptual categories	3.3%	5.5%	25.7%	7.9%	23.9%	33.8%
11	Selects similar objects - distracters are objects from same and different conceptual categories	4.6%	5.5%	27.9%	7.9%	25.2%	28.9%
12	Matches identical objects - distracters are objects from same and different categories in appearance	4.2%	5.7%	19.7%	5.9%	18.9%	45.6%
13	Selects related objects - distracters are objects from same and different conceptual categories	4.6%	4.8%	22.1%	4.4%	18.2%	45.8%
14	Answers literal 'what' question by selecting object - distracters are objects from same and different conceptual categories	3.9%	4.8%	21.7%	3.3%	19.3%	46.9%
15	Selects object by function - distracters are objects from same and different conceptual categories	4.4%	4.2%	21.3%	3.7%	21.1%	45.4%
16	Selects similar objects - distracters are objects from same and different conceptual categories	5.3%	5.5%	24.3%	7.2%	18.0%	39.7%
17	Matches identical objects - distracters are objects from same and different categories in appearance	4.8%	5.9%	24.3%	4.4%	19.3%	41.2%
18	Answers literal 'who' question by selecting object - distracters are objects from same and different conceptual categories	5.0%	4.8%	23.5%	4.8%	19.5%	42.3%

Appendix G: Percentages of Each Score by Item

Grade 5 Reading (cont.)

Component #	Level A (n= 456)	Percentage at Each Score					
	Description	0	1	2	3	4	5
19	Selects related objects - distracters are objects from same and different conceptual categories	5.5%	4.8%	19.5%	3.5%	14.9%	51.8%
20	Selects object by function - distracters are objects from same and different conceptual categories	4.6%	5.3%	18.2%	10.3%	14.5%	47.1%
21	Answers literal 'what' question by selecting object - distracters are objects from same and different conceptual categories	4.8%	4.2%	17.3%	4.8%	15.8%	53.1%
22	Selects similar objects - distracters are objects from same and different conceptual categories	5.1%	5.5%	24.8%	3.5%	21.8%	39.3%
23	Selects related objects - distracters are objects from same and different conceptual categories	6.0%	5.3%	17.5%	3.5%	17.5%	50.1%

Appendix G: Percentages of Each Score by Item

Grade 5 Reading (cont.)

Component #	Level B (n= 584)	Percentage at Each Score					
	Description	0	1	2	3	4	5
1	Answers literal 'where' question by selecting picture - distracters are pictures from same conceptual categories	0.7%	0.0%	6.8%	9.8%	16.6%	66.1%
2	Selects picture of rhyming words	1.7%	0.2%	12.8%	10.4%	31.8%	43.0%
3	Selects icon by function	0.5%	0.2%	4.5%	6.5%	15.4%	72.9%
4*	Locates partially hidden item in scene - more than 5 items pictured	0.3%	0.2%	6.8%	5.5%	15.2%	71.9%
5*	Selects item named in complex picture	0.7%	0.2%	2.4%	2.9%	4.3%	89.6%
6*	Names detail in a picture	0.3%	0.5%	11.1%	16.8%	24.8%	46.4%
7	Describes meaning of an icon	0.9%	0.2%	3.1%	3.1%	5.5%	87.3%
8	Identifies category of picture - distracters are pictures from same conceptual categories	0.7%	0.2%	3.1%	3.6%	14.7%	77.7%
9	Answers literal 'who' question by selecting picture - distracters are pictures from same conceptual categories	0.5%	0.2%	3.9%	6.2%	12.5%	76.7%
10	Locates identical icon in 4-item display - distracters are icons	0.7%	0.0%	1.5%	1.9%	6.7%	89.2%
11	Selects picture showing 1 feature named	0.5%	0.0%	2.9%	3.3%	9.4%	83.9%
12*	Matches identical word - all choices have same beginning letter and different ending letters	0.7%	0.0%	3.6%	2.2%	6.8%	86.6%
13	Answers literal 'what' question by selecting picture - distracters are pictures from same conceptual categories	0.3%	0.2%	6.9%	7.7%	11.8%	73.1%
14	Names picture - synthesizes information to give noun - open-ended response	0.5%	0.5%	11.6%	9.2%	15.9%	62.2%
15	Demonstrates understanding of 2-10 word, 2-step oral command	0.7%	0.2%	5.3%	13.0%	10.4%	70.4%
16*	Selects picture of last word missing in sentence using clue from picture - all choices from same conceptual category	0.3%	0.2%	4.8%	7.2%	21.4%	66.1%
17	Selects complex picture by function - distracters are pictures from different conceptual categories	0.3%	0.0%	2.9%	2.7%	6.7%	87.3%
18	Locates identical icon in 4-item display - distracters are icons	0.5%	0.2%	2.4%	1.4%	8.4%	87.2%
19	Completes definition of a picture - open-ended response	0.7%	0.2%	4.5%	8.2%	11.8%	74.7%
20	Selects picture with same beginning sound as target picture named	0.5%	0.5%	8.2%	10.3%	19.9%	60.6%
21	Selects icon by function	0.5%	0.2%	9.2%	6.0%	20.9%	63.2%
22	Selects complex picture showing first or last event in story	0.7%	0.0%	14.4%	11.3%	29.6%	44.0%

Appendix G: Percentages of Each Score by Item

Grade 5 Reading (cont.)

Component #	Level B (n= 584)	Percentage at Each Score					
	Description	0	1	2	3	4	5
23	Selects picture of rhyming words	0.9%	0.0%	13.6%	8.9%	28.7%	47.9%
24	Answers literal 'where' question by selecting picture - distracters are pictures from same conceptual categories	0.5%	0.2%	4.1%	6.5%	11.7%	76.9%
25	Selects picture with same beginning sound as target picture named	2.4%	0.5%	10.0%	10.5%	22.4%	54.2%

Appendix G: Percentages of Each Score by Item

Grade 5 Reading (cont.)

Component #	Level C (n= 461)	Percentage at Each Score					
	Description	0	1	2	3	4	5
1	Predicts topic of story by selecting from array of 5 phrases	0.7%	0.0%	6.8%	9.8%	16.6%	66.1%
2	Reads 2-10 words	1.7%	0.2%	12.8%	10.4%	31.8%	43.0%
3	Orders words representing main ideas from story	0.5%	0.2%	4.5%	6.5%	15.4%	72.9%
4*	Defines the function of a word	0.3%	0.2%	6.8%	5.5%	15.2%	71.9%
5	Reads 2-10 words	0.7%	0.2%	2.4%	2.9%	4.3%	89.6%
6	Describes 1 event from narrative text	0.3%	0.5%	11.1%	16.8%	24.8%	46.4%
7	Answers literal 'who' question	0.9%	0.2%	3.1%	3.1%	5.5%	87.3%
8	Answers literal 'when' question	0.7%	0.2%	3.1%	3.6%	14.7%	77.7%
9	Answers literal 'where' question	0.5%	0.2%	3.9%	6.2%	12.5%	76.7%
10	Matches correct tense of verb in a phrase from array of 5	0.7%	0.0%	1.5%	1.9%	6.7%	89.2%
11	Selects 2-3 words by function in array of 5 choices	0.5%	0.0%	2.9%	3.3%	9.4%	83.9%
12*	Reads 2-10 word sentence silently and supplies word missing in sentence using clue from picture	0.7%	0.0%	3.6%	2.2%	6.8%	86.6%
13	Reads 2-10 words	0.3%	0.2%	6.9%	7.7%	11.8%	73.1%
14	Answers literal 'what' question	0.5%	0.5%	11.6%	9.2%	15.9%	62.2%
15	Answers literal 'how' question	0.7%	0.2%	5.3%	13.0%	10.4%	70.4%
16	Answers literal 'where' question	0.3%	0.2%	4.8%	7.2%	21.4%	66.1%
17	Demonstrate understanding of 2-10 word written command	0.3%	0.0%	2.9%	2.7%	6.7%	87.3%
18	Selects 2-3 words by function in array of 5 choices	0.5%	0.2%	2.4%	1.4%	8.4%	87.2%
19	Completes a definition from word read silently	0.7%	0.2%	4.5%	8.2%	11.8%	74.7%
20	Reads 2-10 words	0.5%	0.5%	8.2%	10.3%	19.9%	60.6%
21	Names 1 fact from expository text	0.5%	0.2%	9.2%	6.0%	20.9%	63.2%
22	Completes a definition of the function of a word read silently	0.7%	0.0%	14.4%	11.3%	29.6%	44.0%

Appendix G: Percentages of Each Score by Item

Grade 8 Reading

Component #	Level A (n= 534)	Percentage at Each Score					
	Description	0	1	2	3	4	5
1	Scans set of materials	2.6%	4.1%	1.5%	1.1%	5.1%	85.6%
2	Selects picture named - distracters are pictures from different categories in appearance	1.5%	6.6%	12.5%	2.6%	12.9%	63.9%
3	Matches identical pictures - distracters are pictures from different categories in appearance	1.5%	8.2%	17.6%	4.9%	17.0%	50.7%
4	Selects picture by function - distracters are pictures from different conceptual categories	1.9%	7.5%	17.6%	3.7%	13.1%	56.2%
5	Locates identical picture in 3-item display - distracters are pictures from different categories in appearance	1.9%	8.4%	17.8%	4.1%	14.4%	53.4%
6	Selects related pictures - distracters are pictures from different conceptual categories	2.2%	9.0%	16.3%	5.4%	17.2%	49.8%
7	Selects similar pictures - distracters are pictures from different conceptual categories	2.8%	8.6%	21.9%	7.9%	19.3%	39.5%
8	Identifies category of picture - distracters are pictures from different conceptual categories	2.1%	8.8%	19.5%	3.6%	15.7%	50.4%
9	Answers literal 'who' question by selecting picture - distracters are pictures from different conceptual categories	2.2%	7.9%	15.9%	4.5%	16.9%	52.6%
10	Locates picture named in 3-item display - distracters are pictures from different categories in appearance	2.6%	7.7%	14.4%	2.6%	11.6%	61.0%
11	Answers literal 'what' question by selecting picture - distracters are pictures from different conceptual categories	2.4%	6.9%	19.9%	5.6%	15.4%	49.7%
12	Demonstrates function of item in picture - open-ended response	2.2%	9.4%	30.9%	6.0%	9.7%	41.8%
13	Matches identical pictures - distracters are pictures from different categories in appearance	2.6%	6.4%	16.9%	3.2%	13.9%	57.1%
14	Identifies category of picture - distracters are pictures from different conceptual categories	2.2%	8.2%	19.5%	2.6%	15.4%	52.1%
15	Locates identical picture in 3-item display - distracters are pictures from different categories in appearance	2.6%	8.2%	17.4%	3.9%	10.3%	57.5%
16	Selects similar pictures - distracters are pictures from different conceptual categories	2.8%	8.2%	16.3%	6.7%	15.2%	50.7%
17	Selects picture named - distracters are pictures from different categories in appearance	2.4%	7.9%	15.0%	4.3%	11.6%	58.8%

Appendix G: Percentages of Each Score by Item

Grade 8 Reading (cont.)

Component #	Level A (n= 534)	Percentage at Each Score					
	Description	0	1	2	3	4	5
18	Answers literal 'where' question by selecting picture - distracters are pictures from different conceptual categories	3.4%	7.5%	18.4%	4.7%	11.8%	54.3%
19	Selects related pictures - distracters are pictures from different conceptual categories	3.2%	7.7%	19.3%	4.5%	18.9%	46.4%
20	Selects picture by function - distracters are pictures from different conceptual categories	4.1%	7.1%	12.4%	6.0%	14.6%	55.8%

Appendix G: Percentages of Each Score by Item

Grade 8 Reading (cont.)

Component #	Level B (n= 569)	Percentage at Each Score					
	Description	0	1	2	3	4	5
1	Answers literal 'who' question - open-ended	1.1%	0.5%	7.4%	2.8%	8.8%	79.4%
2	Selects rhyming words	1.1%	0.2%	10.0%	7.2%	23.6%	58.0%
3	Selects picture showing 2 features named	0.4%	0.2%	1.6%	1.4%	7.2%	89.3%
4*	Matches identical words - all choices have the same beginning and ending letter	1.1%	0.0%	2.8%	1.4%	5.6%	89.1%
5*	Identifies category word - distracters are complex pictures from different conceptual categories	0.9%	0.2%	4.2%	5.1%	21.1%	68.5%
6*	Reads complex picture with 1 word	0.9%	0.0%	1.4%	2.6%	9.1%	85.9%
7	Answers literal 'what' question - open-ended	1.6%	0.0%	2.8%	1.8%	4.9%	88.9%
8	Selects word with same beginning sound as target picture named	1.1%	0.0%	4.9%	5.1%	17.8%	71.2%
9	Names 2 details in a picture	0.5%	0.0%	4.7%	15.5%	32.9%	46.4%
10	Answers literal 'where' question - open-ended	0.9%	0.0%	4.7%	2.3%	6.2%	85.9%
11	Selects last word missing in sentence using clue from picture	0.4%	0.0%	2.5%	3.9%	13.0%	80.3%
12*	Selects complex picture showing next event in story	0.7%	0.0%	6.3%	5.6%	21.4%	65.9%
13	Answers literal 'when' question - open-ended	0.9%	0.2%	6.3%	6.9%	8.6%	77.1%
14	Selects rhyming words	0.9%	0.0%	9.5%	6.3%	20.4%	62.9%
15	Selects word with same beginning sound as target picture named	0.7%	0.0%	4.2%	6.2%	15.3%	73.6%
16	Answers literal 'where' question - open-ended	1.4%	0.0%	3.3%	2.3%	4.6%	88.4%
17	Answers literal 'what' question - open-ended	0.5%	0.0%	4.9%	3.3%	6.2%	85.0%
18	Names 2 details in a picture	0.5%	0.0%	3.2%	13.2%	21.8%	61.3%
19	Selects picture showing 2 features named	0.5%	0.2%	2.5%	1.6%	9.0%	86.3%
20	Selects rhyming words	0.9%	0.2%	10.4%	7.4%	25.3%	55.9%
21	Answers literal 'who' question - open-ended	1.2%	0.0%	2.8%	3.9%	6.0%	86.1%
22	Selects last word missing in sentence using clue from picture	0.4%	0.2%	3.0%	4.6%	13.7%	78.2%
23	Answers literal 'when' question - open-ended	1.1%	0.2%	7.6%	4.0%	6.7%	80.5%
24	Selects word with same beginning sound as target picture named	2.3%	1.4%	6.0%	8.1%	19.5%	62.7%

Appendix G: Percentages of Each Score by Item

Grade 8 Reading (cont.)

Component #	Level C (n= 502)	Percentage at Each Score					
	Description	0	1	2	3	4	5
1	Demonstrates understanding of 11-29 word written command	0.0%	0.0%	4.8%	14.3%	18.9%	62.0%
2	Reads 11-29 words	0.0%	0.4%	1.2%	9.4%	21.9%	67.1%
3	Describes 3 events from narrative text	0.2%	0.0%	2.2%	11.2%	31.9%	54.6%
4*	Names item that can be used in place of another item	0.0%	0.0%	4.6%	4.0%	14.5%	76.9%
5*	Defines the function of a word read silently	0.0%	0.0%	4.0%	5.4%	8.6%	82.1%
6*	Reads 11-29 word passage silently and supplies missing word	0.2%	0.0%	7.8%	26.1%	13.5%	52.4%
7	Reads 11-29 words	0.2%	0.2%	2.8%	42.4%	31.5%	22.9%
8	Answers inferential 'what' question	0.8%	0.0%	9.4%	5.4%	7.8%	76.7%
9	Answers literal 'what' question	0.4%	0.0%	20.9%	16.5%	14.5%	47.6%
10	Reads 11-29 words	0.0%	0.2%	1.2%	14.5%	22.5%	61.6%
11	Orders three 1-5 word phrases representing main idea from text	0.0%	0.0%	4.2%	5.8%	10.2%	79.9%
12*	Locates words by function in display of 11-29 words or in real materials - inferential question	0.0%	0.0%	1.8%	3.2%	13.7%	81.3%
13	Reads 11-29 words	0.2%	0.2%	2.0%	18.1%	27.5%	52.0%
14	Answers literal 'when' question	0.2%	0.0%	2.4%	1.8%	7.0%	88.6%
15	Answers literal 'where' question	0.2%	0.0%	9.8%	6.2%	13.5%	70.3%
16	Answers inferential 'who' question	0.2%	0.0%	15.5%	7.0%	9.4%	67.9%
17	Reads 11-29 words	0.0%	0.2%	1.6%	21.5%	25.7%	51.0%
18	Answers literal 'who' question	0.0%	0.0%	2.2%	1.0%	3.2%	93.6%
19	Answers inferential 'where' question	0.0%	0.0%	8.0%	6.6%	12.0%	73.5%
20	Answers literal 'how' question	0.0%	0.0%	14.5%	9.6%	14.9%	61.0%
21	Answers inferential 'when' question	0.2%	0.0%	10.4%	14.9%	9.0%	65.5%
22	Answers literal 'why' question	1.8%	0.0%	2.8%	2.0%	1.6%	91.8%
23	Reads 11-29 words	0.0%	0.4%	2.0%	32.3%	23.6%	41.7%
24	Names 3 facts from expository text	0.6%	0.4%	7.6%	21.4%	30.9%	39.1%

Appendix G: Percentages of Each Score by Item

Grade 11 Reading

Component #	Level A (n= 508)	Percentage at Each Score					
	Description	0	1	2	3	4	5
1	Scans set of materials	2.6%	5.9%	1.0%	1.0%	3.1%	86.4%
2	Selects picture named - distracters are pictures from same category in appearance	2.2%	9.8%	10.4%	2.0%	8.7%	66.9%
3	Locates identical icon in 3-item display - distracters are pictures	4.1%	8.7%	11.2%	3.3%	19.5%	53.1%
4	Selects similar pictures - distracters are pictures from same and different conceptual categories	4.3%	8.9%	15.0%	6.1%	17.9%	47.8%
5	Identifies category of picture - distracters are pictures from same and different conceptual categories	4.7%	7.7%	13.8%	3.7%	11.8%	58.3%
6	Matches identical pictures - distracters are pictures from same category in appearance	4.3%	9.3%	14.8%	3.3%	12.4%	55.9%
7	Answers literal 'who' question by selecting picture - distracters are pictures from same conceptual category	4.9%	7.9%	14.6%	2.8%	10.8%	59.1%
8	Selects picture by function - distracters are pictures from same conceptual category	4.1%	7.9%	12.8%	3.0%	11.4%	60.8%
9	Locates picture named in 3-item display - distracters are pictures from same category in appearance	4.3%	9.5%	14.6%	3.2%	8.7%	59.8%
10	Answers literal 'what' question by selecting picture - distracters are pictures from same conceptual category	4.9%	8.7%	15.9%	3.7%	13.4%	53.3%
11	Matches identical complex pictures - distracters are pictures from different categories in appearance	4.7%	9.4%	14.6%	3.3%	12.8%	55.1%
12	Matches identical icons - distracters are pictures	4.7%	7.7%	14.2%	3.1%	11.2%	59.1%
13	Demonstrates function of item in picture using a picture - open-ended response	4.5%	10.2%	14.8%	3.3%	17.3%	49.8%
14	Selects related pictures - distracters are pictures from same and different conceptual categories	4.1%	7.3%	15.0%	4.1%	17.7%	51.8%
15	Answers literal 'where' question by selecting picture - distracters are pictures from same conceptual category	4.7%	7.1%	13.0%	3.1%	9.1%	63.0%
16	Locates identical picture in 3-item display - distracters are pictures from same category in appearance	4.7%	8.9%	15.9%	3.3%	12.4%	54.7%
17	Identifies category of picture - distracters are pictures from same and different conceptual categories	4.5%	8.7%	20.9%	6.9%	15.9%	43.1%
18	Locates identical icon in 3-item display - distracters are pictures	4.3%	10.0%	15.6%	2.6%	7.5%	60.0%

Appendix G: Percentages of Each Score by Item

Grade 11 Reading (cont.)

Component #	Level A (n= 508)	Percentage at Each Score					
	Description	0	1	2	3	4	5
19	Selects similar pictures - distracters are pictures from same and different conceptual categories	4.7%	8.3%	15.9%	4.5%	12.4%	54.1%
20	Selects picture named - distracters are pictures from same category in appearance	5.5%	8.1%	13.4%	1.6%	11.2%	60.2%

Appendix G: Percentages of Each Score by Item

Grade 11 Reading (cont.)

Component #	Level B (n= 401)	Percentage at Each Score					
	Description	0	1	2	3	4	5
1	Selects word named - all choices have same beginning letter	0.5%	0.5%	0.5%	1.2%	1.7%	95.5%
2	Selects picture showing 3 features named	0.7%	0.5%	2.0%	3.7%	8.5%	84.5%
3	Reads 1 word in isolation	1.3%	0.8%	11.5%	5.8%	7.3%	73.5%
4*	Reads 1 word in context	1.0%	0.2%	6.5%	5.2%	1.7%	85.3%
5*	Locates 1 word in 4-item display - all words begin with the same letter	1.0%	0.7%	4.5%	2.7%	9.2%	81.8%
6*	Selects picture representing 1 word read silently from array of 4 pictures	1.0%	0.0%	1.0%	1.7%	6.5%	89.8%
7	Identifies category of 1 word - distracters are words from same conceptual category	1.2%	0.0%	3.0%	2.5%	11.0%	82.3%
8	Selects word by function	1.2%	0.0%	0.2%	1.2%	4.5%	92.8%
9	Reads 1 word in isolation	2.0%	0.0%	5.0%	5.2%	3.2%	84.5%
10	Selects word named - all choices have same beginning letter	1.2%	0.0%	3.0%	2.0%	3.0%	90.8%
11	Answers literal 'who' question - open-ended	1.8%	0.3%	3.5%	3.8%	6.5%	84.3%
12*	Supplies last word missing in sentence using clue from picture	1.5%	0.0%	1.7%	1.2%	3.7%	91.8%
13	Selects word by function	0.7%	0.0%	1.0%	1.7%	2.5%	94.0%
14	Answers literal 'what' question - open-ended	1.2%	0.0%	6.2%	2.0%	6.0%	84.5%
15	Answers literal 'when' question - open-ended	1.5%	0.5%	12.7%	5.0%	10.7%	69.6%
16	Reads 1 word in isolation	1.7%	0.2%	17.7%	14.0%	7.0%	59.4%
17	Answers literal 'where' question - open-ended	1.7%	0.0%	3.7%	4.0%	4.0%	86.5%
18	Demonstrates understanding of 1 word written command	1.5%	0.7%	14.7%	20.2%	16.2%	46.6%
19	Answers literal 'why' question - open-ended	2.8%	0.5%	5.3%	4.5%	4.0%	83.0%
20	Orders 3 pictures based on text	1.8%	0.0%	10.5%	26.8%	9.5%	51.5%
21	Selects picture to identify main event from narrative text	1.8%	0.0%	4.8%	11.8%	9.5%	72.3%
22	Answers literal 'when' question - open-ended	2.0%	0.0%	5.3%	4.0%	7.8%	81.0%
23	Answers literal 'who' question - open-ended	1.8%	0.3%	4.0%	3.0%	2.8%	88.3%
24	Orders 3 pictures based on text	2.0%	0.5%	15.3%	23.8%	10.5%	47.9%

Appendix G: Percentages of Each Score by Item

Grade 11 Reading (cont.)

Component #	Level C (n= 417)	Percentage at Each Score					
	Description	0	1	2	3	4	5
1	Identifies synonym for word read silently	1.2%	0.7%	9.6%	11.1%	9.4%	68.0%
2	Reads 30-50 words	0.7%	0.7%	0.7%	13.9%	44.6%	39.3%
3	Names 4 facts from expository text	1.2%	0.0%	1.9%	23.0%	26.6%	47.2%
4*	Locates words by function in display of 30-50 words or in real materials - inferential question	1.2%	0.0%	2.2%	6.0%	19.7%	71.0%
5	Reads 30-50 words	1.2%	0.0%	0.7%	6.0%	33.3%	58.8%
6	Answers inferential 'how' question	1.2%	0.0%	5.3%	3.8%	7.4%	82.3%
7	Answers literal 'why' question	1.4%	0.2%	4.6%	5.8%	8.2%	79.9%
8	Answers literal 'when' question	1.7%	0.0%	3.6%	9.6%	11.0%	74.1%
9	Reads 30-50 word passage silently and supplies missing word	1.4%	0.2%	7.2%	15.3%	12.2%	63.5%
10	Reads 30-50 words	1.4%	0.0%	0.5%	13.9%	32.6%	51.6%
11	Selects title of a story by selecting from array of 5 titles	1.2%	0.2%	2.2%	3.6%	6.7%	86.1%
12*	Answers inferential 'when' question	1.4%	0.2%	16.5%	22.8%	18.2%	40.8%
13	Orders four 6-10 word combinations representing main ideas from text	1.2%	0.0%	4.6%	8.4%	10.1%	75.7%
14	Reads 30-50 words	1.4%	0.0%	0.5%	9.1%	34.8%	54.2%
15	Answers inferential 'what' question	1.4%	0.0%	3.8%	2.4%	6.5%	85.9%
16*	Answers inferential 'who' question	1.7%	0.5%	3.8%	4.6%	8.4%	81.1%
17	Answers inferential 'why' question	1.7%	0.0%	11.0%	11.3%	13.9%	62.1%
18	Demonstrates understanding of 30-50 word 2-step written command	1.4%	0.2%	2.6%	17.7%	19.7%	58.3%
19	Reads 30-50 words	1.4%	0.0%	0.5%	5.0%	21.6%	71.5%
20	Answers literal 'how' question	1.4%	0.0%	2.2%	7.4%	12.5%	76.5%
21	Answers inferential 'where' question	1.4%	0.0%	3.4%	5.3%	9.8%	80.1%
22	Reads 30-50 words	1.4%	0.0%	0.5%	4.8%	32.1%	61.2%
23	Describes 4 events from narrative text	1.7%	0.0%	2.2%	12.9%	22.8%	60.4%
24	Identifies synonym for word	2.6%	0.7%	18.2%	16.3%	14.4%	47.7%