

**Appendix B**  
**Rater Agreement**  
**and**  
**CR Item Distributions**

## Tables List

Table B1 Rater Agreement for Mathematics Grade 3 .....	B-3
Table B2 Rater Agreement for Mathematics Grade 4 .....	B-5
Table B3 Rater Agreement for Mathematics Grade 5 .....	B-7
Table B4 Rater Agreement for Mathematics Grade 6 .....	B-9
Table B5 Rater Agreement for Mathematics Grade 7 .....	B-11
Table B6 Rater Agreement for Mathematics Grade 8 .....	B-13
Table B7 Rater Agreement for Reading Grade 10 .....	B-15
Table B8 The CR Item Distribution for Mathematics Grade 3 .....	B-16
Table B9 The CR Item Distribution for Mathematics Grade 4 .....	B-17
Table B10 The CR Item Distribution for Mathematics Grade 5.....	B-18
Table B11 The CR Item Distribution for Mathematics Grade 6.....	B-19
Table B12 The CR Item Distribution for Mathematics Grade 7.....	B-20
Table B13 The CR Item Distribution for Mathematics Grade 8.....	B-21
Table B14 The CR Item Distribution for Reading Grade 10.....	B-22

Table B1  
Rater Agreement for Mathematics Grade 3

Form	Item	N	Mean of G1	Mean of G2	SD of G1	SD of G2	Percent of Perfect Agreement	Percent of Adjacent Agreement	Percent of Agreement	Correlation
1	31A	36819	0.80	0.81	0.40	0.40	99.2	0.8	100.0	0.97
1	31B	36819	0.94	0.94	0.64	0.64	81.1	18.6	99.7	0.76
1	38A	36819	0.89	0.89	0.32	0.32	99.7	0.3	100.0	0.99
1	38B	36819	1.34	1.34	0.76	0.76	91.8	7.9	99.7	0.92
1	45A	36819	0.64	0.64	0.48	0.48	94.7	5.3	100.0	0.88
1	45B	36819	1.18	1.19	0.79	0.79	77.0	21.9	98.9	0.79
1	58A	36819	0.83	0.83	0.38	0.38	97.4	2.6	100.0	0.91
1	58B	36819	1.35	1.37	0.63	0.63	80.5	19.2	99.7	0.74
1	66A	36819	0.73	0.73	0.44	0.44	98.5	1.5	100.0	0.96
1	66B	36819	1.06	1.05	0.78	0.77	74.2	25.0	99.2	0.76
1	72A	36819	0.79	0.79	0.40	0.41	99.5	0.5	100.0	0.99
1	72B	36819	1.29	1.28	0.75	0.76	79.2	20.1	99.3	0.80
1	77A	36819	0.83	0.83	0.37	0.37	99.6	0.4	100.0	0.99
1	77B	36819	1.05	1.05	0.77	0.77	82.9	16.9	99.8	0.85
2	31A	24492	0.56	0.56	0.50	0.50	96.4	3.6	100.0	0.93
2	31B	24492	1.27	1.27	0.74	0.74	77.5	21.6	99.1	0.77
2	38A	24492	0.64	0.63	0.48	0.48	99.4	0.7	100.0	0.99
2	38B	24492	0.73	0.72	0.68	0.68	85.8	13.9	99.8	0.84
2	45A	24492	0.65	0.65	0.48	0.48	95.8	4.2	100.0	0.91
2	45B	24492	1.18	1.18	0.54	0.54	90.3	9.7	100.0	0.83
2	58A	24492	0.91	0.91	0.29	0.29	98.9	1.1	100.0	0.93
2	58B	24492	0.84	0.85	0.58	0.58	83.9	16.0	99.9	0.76
2	66A	24492	0.73	0.73	0.44	0.44	98.5	1.5	100.0	0.96
2	66B	24492	1.05	1.05	0.77	0.77	77.5	22.1	99.6	0.80
2	72A	24492	0.80	0.80	0.40	0.40	99.5	0.5	100.0	0.99

Table B1 (cont.)  
 Rater Agreement for Mathematics Grade 3

Form	Item	N	Mean of G1	Mean of G2	SD of G1	SD of G2	Percent of Perfect Agreement	Percent of Adjacent Agreement	Percent of Agreement	Correlation
2	72B	24492	1.31	1.29	0.75	0.76	80.9	18.4	99.3	0.81
2	77A	24492	0.83	0.83	0.37	0.37	99.6	0.4	100.0	0.99
2	77B	24492	1.03	1.03	0.78	0.78	82.5	17.3	99.8	0.85

G1: Rater group 1      G2: Rater group 2

Table B2  
Rater Agreement for Mathematics Grade 4

Form	Item	N	Mean of G1	Mean of G2	SD of G1	SD of G2	Percent of Perfect Agreement	Percent of Adjacent Agreement	Percent of Agreement	Correlation
1	33A	37823	0.84	0.84	0.37	0.37	98.7	1.3	100.0	0.95
1	33B	37823	0.69	0.69	0.67	0.67	84.9	14.8	99.7	0.82
1	40A	37823	0.75	0.75	0.43	0.43	98.9	1.1	100.0	0.97
1	40B	37823	0.83	0.84	0.77	0.77	76.5	23.1	99.6	0.79
1	47A	37823	0.54	0.54	0.50	0.50	98.0	2.0	100.0	0.96
1	47B	37823	0.64	0.65	0.70	0.70	77.3	22.0	99.4	0.75
1	60A	37823	0.53	0.53	0.50	0.50	99.1	0.9	100.0	0.98
1	60B	37823	0.66	0.66	0.75	0.75	81.8	18.0	99.8	0.83
1	68A	37823	0.67	0.67	0.47	0.47	99.2	0.8	100.0	0.98
1	68B	37823	1.14	1.13	0.84	0.84	88.9	11.0	99.8	0.92
1	74A	37823	0.34	0.34	0.47	0.47	98.8	1.2	100.0	0.97
1	74B	37823	0.67	0.68	0.67	0.68	75.2	24.0	99.2	0.70
1	75A	37823	0.35	0.35	0.48	0.48	99.2	0.8	100.0	0.98
1	75B	37823	0.81	0.81	0.63	0.64	77.3	22.6	99.9	0.72
2	33A	25205	0.81	0.81	0.39	0.39	98.9	1.1	100.0	0.96
2	33B	25205	1.03	1.02	0.57	0.57	86.4	13.4	99.8	0.78
2	40A	25205	0.49	0.49	0.50	0.50	99.2	0.8	100.0	0.98
2	40B	25205	0.60	0.60	0.62	0.62	82.4	17.2	99.6	0.76
2	47A	25205	0.47	0.47	0.50	0.50	94.0	6.1	100.0	0.88
2	47B	25205	0.57	0.58	0.73	0.73	74.5	24.7	99.2	0.74
2	60A	25205	0.94	0.94	0.24	0.24	99.1	0.9	100.0	0.92
2	60B	25205	0.70	0.70	0.70	0.70	84.5	15.3	99.8	0.84
2	68A	25205	0.59	0.59	0.49	0.49	98.7	1.3	100.0	0.97
2	68B	25205	0.87	0.87	0.90	0.90	89.7	9.8	99.5	0.93

Table B2 (cont.)  
 Rater Agreement for Mathematics Grade 4

Form	Item	N	Mean of G1	Mean of G2	SD of G1	SD of G2	Percent of Perfect Agreement	Percent of Adjacent Agreement	Percent of Agreement	Correlation
2	74A	25205	0.32	0.32	0.47	0.47	98.3	1.7	100.0	0.96
2	74B	25205	0.70	0.69	0.85	0.84	89.1	10.5	99.6	0.92
2	75A	25205	0.60	0.60	0.49	0.49	99.1	0.9	100.0	0.98
2	75B	25205	0.73	0.72	0.56	0.56	83.6	16.3	99.9	0.74

G1: Rater group 1      G2: Rater group 2

Table B3  
Rater Agreement for Mathematics Grade 5

Form	Item	N	Mean of G1	Mean of G2	SD of G1	SD of G2	Percent of Perfect Agreement	Percent of Adjacent Agreement	Percent of Agreement	Correlation
1	33A	38954	0.59	0.59	0.49	0.49	99.7	0.3	100.0	0.99
1	33B	38954	1.11	1.12	0.68	0.68	85.2	14.7	99.9	0.84
1	40A	38954	0.63	0.64	0.48	0.48	95.5	4.5	100.0	0.90
1	40B	38954	1.37	1.37	0.91	0.91	90.2	9.6	99.8	0.94
1	47A	38954	0.34	0.34	0.48	0.48	98.8	1.2	100.0	0.97
1	47B	38954	1.02	1.02	0.72	0.72	83.3	16.4	99.7	0.83
1	57A	38954	0.55	0.55	0.50	0.50	99.2	0.8	100.0	0.98
1	57B	38954	0.94	0.94	0.90	0.90	88.7	10.9	99.6	0.92
1	63A	38954	0.73	0.73	0.44	0.44	97.4	2.6	100.0	0.93
1	63B	38954	1.16	1.17	0.84	0.84	90.7	9.0	99.7	0.93
1	64A	38954	0.39	0.39	0.49	0.49	93.4	6.6	100.0	0.86
1	64B	38954	0.54	0.54	0.55	0.55	86.5	13.4	99.9	0.77
1	70A	38954	0.68	0.68	0.47	0.47	99.0	1.0	100.0	0.98
1	70B	38954	1.50	1.50	0.63	0.63	87.0	12.8	99.8	0.83
1	76A	38954	0.41	0.41	0.49	0.49	99.2	0.8	100.0	0.98
1	76B	38954	0.81	0.81	0.90	0.90	88.2	11.2	99.4	0.92
2	33A	25913	0.49	0.49	0.50	0.50	99.3	0.7	100.0	0.99
2	33B	25913	1.09	1.09	0.83	0.83	86.7	13.1	99.8	0.90
2	40A	25913	0.63	0.63	0.48	0.48	99.4	0.6	100.0	0.99
2	40B	25913	1.57	1.57	1.20	1.20	82.0	17.0	99.0	0.93
2	47A	25913	0.34	0.34	0.48	0.48	98.9	1.1	100.0	0.98
2	47B	25913	1.02	1.03	0.72	0.72	83.6	16.2	99.8	0.83
2	57A	25913	0.91	0.91	0.28	0.28	98.5	1.5	100.0	0.91
2	57B	25913	0.76	0.76	0.74	0.75	77.6	21.7	99.3	0.78

Table B3 (cont.)  
Rater Agreement for Mathematics Grade 5

Form	Item	N	Mean of G1	Mean of G2	SD of G1	SD of G2	Percent of Perfect Agreement	Percent of Adjacent Agreement	Percent of Agreement	Correlation
2	63A	25913	0.77	0.77	0.42	0.42	97.6	2.5	100.0	0.93
2	63B	25913	1.23	1.24	0.82	0.82	91.2	8.6	99.8	0.93
2	64A	25913	0.96	0.96	0.20	0.20	99.7	0.3	100.0	0.96
2	64B	25913	0.93	0.93	0.70	0.69	83.5	15.5	99.0	0.80
2	70A	25913	0.69	0.69	0.46	0.46	99.1	0.9	100.0	0.98
2	70B	25913	1.50	1.51	0.63	0.63	86.4	13.3	99.7	0.82
2	76A	25913	0.43	0.43	0.49	0.49	99.2	0.8	100.0	0.98
2	76B	25913	0.84	0.85	0.90	0.91	86.4	12.6	99.1	0.90

G1: Rater group 1      G2: Rater group 2



Table B4  
Rater Agreement for Mathematics Grade 6

Form	Item	N	Mean of G1	Mean of G2	SD of G1	SD of G2	Percent of Perfect Agreement	Percent of Adjacent Agreement	Percent of Agreement	Correlation
1	40A	39114	0.50	0.49	0.50	0.50	97.2	2.8	100.0	0.94
1	40B	39114	1.06	1.07	1.09	1.08	86.6	13.0	99.6	0.94
1	49A	39114	0.22	0.22	0.41	0.41	99.6	0.4	100.0	0.99
1	49B	39114	0.69	0.69	0.75	0.76	88.7	11.1	99.9	0.90
1	58A	39114	0.54	0.54	0.50	0.50	98.9	1.1	100.0	0.98
1	58B	39114	1.28	1.27	0.91	0.92	90.1	7.8	97.9	0.90
1	64A	39114	0.24	0.24	0.42	0.42	99.2	0.8	100.0	0.98
1	64B	39114	1.08	1.08	0.71	0.71	91.6	8.3	99.9	0.91
1	69A	39114	0.48	0.48	0.50	0.50	99.5	0.6	100.0	0.99
1	69B	39114	1.17	1.17	0.71	0.71	94.2	5.7	99.9	0.94
1	78A	39114	0.70	0.70	0.46	0.46	99.4	0.6	100.0	0.99
1	78B	39114	1.08	1.09	0.68	0.68	87.5	12.4	99.9	0.86
1	81A	39114	0.15	0.15	0.36	0.36	98.1	1.9	100.0	0.93
1	81B	39114	0.80	0.80	0.57	0.57	89.6	10.3	99.9	0.83
2	39A	26084	0.66	0.66	0.48	0.47	97.5	2.5	100.0	0.94
2	39B	26084	1.13	1.12	0.84	0.84	79.8	18.7	98.5	0.82
2	49A	26084	0.23	0.23	0.42	0.42	99.5	0.5	100.0	0.99
2	49B	26084	0.70	0.69	0.76	0.76	88.2	11.6	99.9	0.89
2	58A	26084	0.36	0.36	0.48	0.48	99.0	1.0	100.0	0.98
2	58B	26084	1.21	1.21	0.85	0.85	88.8	8.9	97.7	0.87
2	65A	26084	0.45	0.45	0.50	0.50	97.6	2.4	100.0	0.95
2	65B	26084	1.03	1.04	0.72	0.73	85.9	13.9	99.8	0.86
2	69A	26084	0.64	0.64	0.48	0.48	99.5	0.5	100.0	0.99
2	69B	26084	1.37	1.39	0.80	0.78	86.8	12.8	99.6	0.89

Table B4 (cont.)  
 Rater Agreement for Mathematics Grade 6

Form	Item	N	Mean of G1	Mean of G2	SD of G1	SD of G2	Percent of Perfect Agreement	Percent of Adjacent Agreement	Percent of Agreement	Correlation
2	76A	26084	0.49	0.49	0.50	0.50	97.4	2.6	100.0	0.95
2	76B	26084	0.95	0.95	0.62	0.62	76.5	23.1	99.6	0.68
2	81A	26084	0.37	0.37	0.48	0.48	98.6	1.4	100.0	0.97
2	81B	26084	0.69	0.71	0.69	0.69	85.5	14.4	99.9	0.84

G1: Rater group 1      G2: Rater group 2

Table B5  
 Rater Agreement for Mathematics Grade 7

Form	Item	N	Mean of G1	Mean of G2	SD of G1	SD of G2	Percent of Perfect Agreement	Percent of Adjacent Agreement	Percent of Agreement	Correlation
1	37A	40124	0.49	0.49	0.50	0.50	97.0	3.0	100.0	0.94
1	37B	40124	0.30	0.30	0.53	0.54	90.6	9.3	99.9	0.83
1	44A	40124	0.50	0.50	0.50	0.50	99.0	1.0	100.0	0.98
1	44B	40124	1.18	1.19	0.79	0.79	84.4	15.4	99.8	0.87
1	53A	40124	0.30	0.30	0.46	0.46	98.1	1.9	100.0	0.95
1	53B	40124	0.42	0.41	0.62	0.63	80.9	18.5	99.5	0.74
1	63A	40124	0.76	0.76	0.43	0.43	97.6	2.4	100.0	0.93
1	63B	40124	1.82	1.82	0.66	0.64	89.1	10.6	99.7	0.86
1	68A	40124	0.37	0.37	0.48	0.48	95.1	4.9	100.0	0.90
1	68B	40124	1.08	1.08	0.60	0.60	80.3	19.5	99.9	0.72
1	76A	40124	0.53	0.53	0.50	0.50	97.8	2.2	100.0	0.96
1	76B	40124	0.93	0.93	0.58	0.59	80.7	19.2	99.9	0.72
1	81A	40124	0.16	0.16	0.36	0.37	97.2	2.8	100.0	0.89
1	81B	40124	0.90	0.89	0.85	0.85	75.1	24.2	99.3	0.81
2	41A	26676	0.32	0.32	0.47	0.47	99.1	0.9	100.0	0.98
2	41B	26676	0.85	0.84	0.65	0.65	85.3	14.6	99.9	0.82
2	49A	26676	0.46	0.46	0.50	0.50	99.7	0.3	100.0	0.99
2	49B	26676	1.10	1.10	0.87	0.88	88.3	10.6	98.9	0.90
2	53A	26676	0.65	0.65	0.48	0.48	96.2	3.8	100.0	0.92
2	53B	26676	1.19	1.19	0.86	0.86	74.8	24.5	99.3	0.82
2	62A	26676	0.63	0.64	0.48	0.48	99.0	1.0	100.0	0.98
2	62B	26676	1.76	1.76	0.88	0.89	86.9	12.5	99.4	0.90
2	67A	26676	0.47	0.47	0.50	0.50	93.9	6.1	100.0	0.88
2	67B	26676	0.24	0.24	0.47	0.47	86.0	13.8	99.8	0.67

Table B5 (cont.)  
 Rater Agreement for Mathematics Grade 7

Form	Item	N	Mean of G1	Mean of G2	SD of G1	SD of G2	Percent of Perfect Agreement	Percent of Adjacent Agreement	Percent of Agreement	Correlation
2	76A	26676	0.35	0.35	0.48	0.48	99.5	0.5	100.0	0.99
2	76B	26676	1.08	1.07	0.76	0.77	92.3	7.6	99.9	0.93
2	81A	26676	0.51	0.51	0.50	0.50	95.9	4.1	100.0	0.92
2	81B	26676	1.62	1.62	1.13	1.13	82.6	16.0	98.6	0.91

G1: Rater group 1      G2: Rater group 2

Table B6  
Rater Agreement for Mathematics Grade 8

Form	Item	N	Mean of G1	Mean of G2	SD of G1	SD of G2	Percent of Perfect Agreement	Percent of Adjacent Agreement	Percent of Agreement	Correlation
1	37A	33882	0.62	0.62	0.49	0.49	99.5	0.5	100.0	0.99
1	37B	33882	1.56	1.58	1.09	1.08	88.9	10.1	99.0	0.94
1	46A	33882	0.44	0.44	0.50	0.50	86.8	13.2	100.0	0.73
1	46B	33882	0.92	0.91	0.80	0.80	83.9	15.5	99.4	0.86
1	51A	33882	0.35	0.35	0.48	0.48	99.3	0.7	100.0	0.99
1	51B	33882	0.91	0.91	0.92	0.92	91.4	8.4	99.8	0.94
1	60A	33882	0.44	0.44	0.50	0.50	99.1	0.9	100.0	0.98
1	60B	33882	1.10	1.11	0.90	0.90	90.7	8.8	99.5	0.93
1	65A	33882	0.70	0.70	0.46	0.46	97.4	2.6	100.0	0.94
1	65B	33882	1.95	1.95	0.71	0.71	88.2	11.4	99.6	0.87
1	70A	33882	0.24	0.24	0.42	0.42	99.2	0.8	100.0	0.98
1	70B	33882	0.63	0.62	0.80	0.80	90.1	9.8	99.9	0.92
1	75A	33882	0.27	0.27	0.44	0.45	97.9	2.1	100.0	0.95
1	75B	33882	0.73	0.72	0.83	0.82	83.0	16.4	99.4	0.86
1	76A	33882	0.29	0.29	0.45	0.45	99.2	0.8	100.0	0.98
1	76B	33882	0.96	0.96	0.72	0.73	86.8	13.1	99.9	0.87
2	32A	33630	0.34	0.34	0.47	0.47	99.5	0.5	100.0	0.99
2	32B	33630	0.55	0.55	0.80	0.79	88.2	11.3	99.5	0.89
2	39A	33630	0.62	0.62	0.48	0.48	99.4	0.6	100.0	0.99
2	39B	33630	1.55	1.56	1.08	1.08	89.4	9.7	99.1	0.94
2	47A	33630	0.34	0.34	0.47	0.47	99.4	0.6	100.0	0.99
2	47B	33630	0.91	0.91	0.91	0.92	91.4	8.4	99.8	0.95
2	58A	33630	0.39	0.39	0.49	0.49	90.2	9.8	100.0	0.79
2	58B	33630	0.83	0.83	0.72	0.72	84.2	15.5	99.7	0.84

Table B6 (cont.)  
Rater Agreement for Mathematics Grade 8

Form	Item	N	Mean of G1	Mean of G2	SD of G1	SD of G2	Percent of Perfect Agreement	Percent of Adjacent Agreement	Percent of Agreement	Correlation
2	63A	33630	0.52	0.52	0.50	0.50	99.0	1.0	100.0	0.98
2	63B	33630	1.30	1.30	0.71	0.71	89.4	10.3	99.7	0.88
2	70A	33630	0.24	0.24	0.43	0.43	99.0	1.0	100.0	0.97
2	70B	33630	0.64	0.64	0.80	0.80	89.1	10.8	99.9	0.91
2	75A	33630	0.25	0.25	0.44	0.44	97.7	2.3	100.0	0.94
2	75B	33630	0.71	0.72	0.83	0.83	82.5	16.8	99.4	0.86
2	76A	33630	0.73	0.73	0.44	0.44	98.6	1.4	100.0	0.96
2	76B	33630	1.53	1.53	0.67	0.66	89.2	10.7	99.9	0.87

G1: Rater group 1

G2: Rater group 2

Table B7  
Rater Agreement for Reading Grade 10

Form	Item	N	Mean of G1	Mean of G2	SD of G1	SD of G2	Percent of Perfect Agreement	Percent of Adjacent Agreement	Percent of Agreement	Correlation
A	63	6929	1.48	1.50	0.78	0.77	64.9	34.1	99.1	0.68
A	69	6929	1.25	1.25	0.93	0.94	70.9	27.9	98.9	0.81
A	75	6929	1.50	1.51	0.81	0.82	63.5	35.4	98.9	0.69
A	79	6929	1.65	1.65	0.79	0.79	68.8	30.5	99.3	0.73

G1: Rater group 1

G2: Rater group 2

Table B8  
The CR Item Distribution for Mathematics Grade 3

FORM	ITEMNO	N	OMIT	Code B	0	1	2	% OMIT
1	31A	36935	291	49	6987	29608	.	0.79
	31B	36935	524	229	6423	22277	7482	1.42
	38A	36935	815	11	4061	32048	.	2.21
	38B	36935	556	240	5558	11156	19425	1.51
	45A	36935	1179	64	11772	23920	.	3.19
	45B	36935	937	300	6355	12433	16910	2.54
	58A	36935	390	68	5803	30674	.	1.06
	58B	36935	551	234	2537	14727	18886	1.49
	66A	36935	743	29	9540	26623	.	2.01
	66B	36935	1021	398	7564	13968	13984	2.76
	72A	36935	538	103	7424	28870	.	1.46
	72B	36935	681	276	5180	11630	19168	1.84
	77A	36935	481	28	6068	30358	.	1.30
	77B	36935	712	227	7887	15362	12747	1.93
2	31A	24574	456	23	10245	13850	.	1.86
	31B	24574	337	148	2941	9084	12064	1.37
	38A	24574	271	23	8780	15500	.	1.10
	38B	24574	384	150	8747	11476	3817	1.56
	45A	24574	339	19	7990	16226	.	1.38
	45B	24574	574	123	1367	15687	6823	2.34
	58A	24574	165	15	2169	22225	.	0.67
	58B	24574	271	81	4809	16332	3081	1.10
	66A	24574	485	9	6291	17789	.	1.97
	66B	24574	688	255	5253	9370	9008	2.80
	72A	24574	315	58	4888	19313	.	1.28
	72B	24574	382	196	3396	7715	12885	1.55
	77A	24574	298	15	3966	20295	.	1.21
	77B	24574	445	133	5734	9711	8551	1.81



Table B9  
The CR Item Distribution for Mathematics Grade 4

FORM	ITEMNO	N	OMIT	Code B	0	1	2	% OMIT
1	33A	38004	281	76	5736	31911	.	0.74
	33B	38004	415	210	14435	17192	5752	1.09
	40A	38004	617	106	9235	28046	.	1.62
	40B	38004	811	310	12211	14237	10435	2.13
	47A	38004	1999	160	16023	19822	.	5.26
	47B	38004	2322	487	14750	14324	6121	6.11
	60A	38004	887	117	17377	19623	.	2.33
	60B	38004	1116	357	16362	12918	7251	2.94
	68A	38004	1551	138	11793	24522	.	4.08
	68B	38004	1758	356	9438	10243	16209	4.63
	74A	38004	354	58	24786	12806	.	0.93
	74B	38004	559	218	13587	17749	5891	1.47
	75A	38004	600	120	24072	13212	.	1.58
	75B	38004	761	319	8709	22442	5773	2.00
2	33A	25326	246	81	4650	20349	.	0.97
	33B	25326	295	119	2770	17035	5107	1.16
	40A	25326	209	34	12764	12319	.	0.83
	40B	25326	406	92	10305	11936	2587	1.60
	47A	25326	1510	194	11822	11800	.	5.96
	47B	25326	1585	368	11431	7517	4425	6.26
	60A	25326	260	39	1445	23582	.	1.03
	60B	25326	367	130	9983	10404	4442	1.45
	68A	25326	1003	73	9857	14393	.	3.96
	68B	25326	1171	251	10819	4100	8985	4.62
	74A	25326	672	166	16450	8038	.	2.65
	74B	25326	787	297	12893	4636	6713	3.11
75A	25326	479	77	9798	14972	.	1.89	
75B	25326	571	215	6848	15530	2162	2.25	

Table B10  
The CR Item Distribution for Mathematics Grade 5

FORM	ITEMNO	N	OMIT	Code B	0	1	2	3	% OMIT
1	33A	39109	352	53	16006	22698	.	.	0.90
	33B	39109	430	132	4980	21260	12307	.	1.10
	40A	39109	2011	61	12672	24365	.	.	5.14
	40B	39109	957	173	5488	16649	10210	5632	2.45
	47A	39109	1275	95	24520	13219	.	.	3.26
	47B	39109	1495	248	7215	19054	11097	.	3.82
	57A	39109	449	68	17373	21219	.	.	1.15
	57B	39109	558	161	15976	6574	15840	.	1.43
	63A	39109	1728	264	9412	27705	.	.	4.42
	63B	39109	1926	434	9684	9598	17467	.	4.92
	64A	39109	2979	116	20795	15219	.	.	7.62
	64B	39109	3681	438	15158	18468	1364	.	9.41
	70A	39109	520	101	12009	26479	.	.	1.33
	70B	39109	561	196	2092	12372	23888	.	1.43
	76A	39109	1813	239	21693	15364	.	.	4.64
	76B	39109	2162	568	17626	6059	12694	.	5.53
2	33A	26014	472	91	12900	12551	.	.	1.81
	33B	26014	535	130	6314	8763	10272	.	2.06
	40A	26014	820	57	9125	16012	.	.	3.15
	40B	26014	978	139	6628	3580	6292	8397	3.76
	47A	26014	1188	74	16101	8651	.	.	4.57
	47B	26014	1408	183	4682	12514	7227	.	5.41
	57A	26014	160	21	2096	23737	.	.	0.62
	57B	26014	268	79	9226	10625	5816	.	1.03
	63A	26014	813	124	5551	19526	.	.	3.13
	63B	26014	911	211	5692	6521	12679	.	3.50
	64A	26014	869	21	1009	24115	.	.	3.34
	64B	26014	916	187	5955	12685	6271	.	3.52
	70A	26014	306	55	7871	17782	.	.	1.18
	70B	26014	363	116	1323	8292	15920	.	1.40
	76A	26014	1219	148	14044	10603	.	.	4.69
	76B	26014	1523	347	11160	4017	8967	.	5.85

Table B11  
The CR Item Distribution for Mathematics Grade 6

FORM	ITEMNO	N	OMIT	Code B	0	1	2	3	% OMIT
1	40A	39509	5923	1175	15925	16486	.	.	14.99
	40B	39509	6038	1214	13356	5851	8631	4419	15.28
	49A	39509	3109	188	28241	7971	.	.	7.87
	49B	39509	3397	314	15766	13401	6631	.	8.60
	58A	39509	2496	306	16619	20088	.	.	6.32
	58B	39509	2591	344	10668	3937	21969	.	6.56
	64A	39509	2659	197	27858	8795	.	.	6.73
	64B	39509	2886	361	6931	18139	11192	.	7.30
	69A	39509	3242	300	18613	17354	.	.	8.21
	69B	39509	3404	413	6012	16656	13024	.	8.62
	78A	39509	1137	131	11516	26725	.	.	2.88
	78B	39509	1237	235	6271	19889	11877	.	3.13
	81A	39509	2767	640	30270	5832	.	.	7.00
	81B	39509	3122	796	8565	23792	3234	.	7.90
2	39A	26337	1737	22	8152	16426	.	.	6.60
	39B	26337	1318	196	5134	11089	6662	1938	5.00
	49A	26337	1869	64	18683	5721	.	.	7.10
	49B	26337	2071	158	10533	9019	4556	.	7.86
	58A	26337	1453	169	15586	9129	.	.	5.52
	58B	26337	1525	241	5910	6430	12231	.	5.79
	65A	26337	1403	178	13312	11444	.	.	5.33
	65B	26337	1429	304	5160	11713	7731	.	5.43
	69A	26337	2301	118	8494	15424	.	.	8.74
	69B	26337	2542	366	3569	5874	13986	.	9.65
	76A	26337	1495	25	12311	12506	.	.	5.68
	76B	26337	1522	351	3871	15048	5545	.	5.78
81A	26337	2115	138	15027	9057	.	.	8.03	
81B	26337	2531	299	9096	10610	3801	.	9.61	

Table B12  
The CR Item Distribution for Mathematics Grade 7

FORM	ITEMNO	N	OMIT	Code B	0	1	2	3	% OMIT
1	37A	40930	4641	445	17788	18056	.	.	11.34
	37B	40930	4903	577	24834	8892	1724	.	11.98
	44A	40930	3308	455	18280	18887	.	.	8.08
	44B	40930	3473	508	7336	12559	17054	.	8.49
	53A	40930	7610	138	23005	10177	.	.	18.59
	53B	40930	7584	1286	18835	10347	2738	140	18.53
	63A	40930	1814	80	8903	30133	.	.	4.43
	63B	40930	1557	194	2060	4378	29178	3563	3.80
	68A	40930	5816	416	21008	13690	.	.	14.21
	68B	40930	5588	627	3629	21391	9695	.	13.65
	76A	40930	3190	288	17264	20188	.	.	7.79
	76B	40930	3126	493	6346	23531	7434	.	7.64
	81A	40930	3979	386	30272	6293	.	.	9.72
	81B	40930	4384	688	12162	12332	9938	1426	10.71
2	41A	27200	1961	154	16861	8224	.	.	7.21
	41B	27200	2298	271	6494	13645	4492	.	8.45
	49A	27200	2244	165	13328	11463	.	.	8.25
	49B	27200	2509	298	7257	6067	11069	.	9.22
	53A	27200	3059	251	7884	16006	.	.	11.25
	53B	27200	3411	396	4771	8057	9084	1481	12.54
	62A	27200	1222	71	9319	16588	.	.	4.49
	62B	27200	1461	141	3078	3223	14480	4817	5.37
	67A	27200	2060	134	12521	12485	.	.	7.57
	67B	27200	2560	306	17270	6562	502	.	9.41
	76A	27200	1963	121	16239	8877	.	.	7.22
	76B	27200	2356	264	5670	10562	8348	.	8.66
	81A	27200	2150	221	11656	13173	.	.	7.90
	81B	27200	2476	375	4434	6351	5490	8074	9.10

Table B13  
The CR Item Distribution for Mathematics Grade 8

FORM	ITEMNO	N	OMIT	Code B	0	1	2	3	% OMIT
1	37A	34478	2861	246	11897	19474	.	.	8.30
	37B	34478	3314	404	7496	3298	13226	6740	9.61
	46A	34478	2194	89	15821	16374	.	.	6.36
	46B	34478	3444	382	9312	12175	9165	.	9.99
	51A	34478	4070	275	19535	10598	.	.	11.80
	51B	34478	5090	611	12263	6523	8977	1014	14.76
	60A	34478	4814	619	16108	12937	.	.	13.96
	60B	34478	5137	871	9452	5225	13793	.	14.90
	65A	34478	2407	84	9049	22938	.	.	6.98
	65B	34478	2309	149	1110	4394	19784	6732	6.70
	70A	34478	2188	171	24408	7711	.	.	6.35
	70B	34478	2575	273	17147	7587	6896	.	7.47
	75A	34478	4261	794	21091	8332	.	.	12.36
	75B	34478	4909	1076	12368	10427	4457	1241	14.24
	76A	34478	3128	385	21878	9087	.	.	9.07
	76B	34478	3656	605	7051	15250	7916	.	10.60
2	32A	34218	2834	232	20498	10654	.	.	8.28
	32B	34218	3739	549	18600	4678	6652	.	10.93
	39A	34218	2682	260	11708	19568	.	.	7.84
	39B	34218	3144	439	7503	3378	13402	6352	9.19
	47A	34218	3819	337	19644	10418	.	.	11.16
	47B	34218	4761	670	12170	6771	8867	979	13.91
	58A	34218	2066	76	17972	14104	.	.	6.04
	58B	34218	3432	362	8581	16702	4369	772	10.03
	63A	34218	3978	435	14057	15748	.	.	11.63
	63B	34218	4327	516	3569	11831	13975	.	12.65
	70A	34218	1974	147	24262	7835	.	.	5.77
	70B	34218	2380	277	16620	7906	7035	.	6.96
	75A	34218	4130	762	21584	7742	.	.	12.07
	75B	34218	4821	1093	12507	10136	4407	1254	14.09
	76A	34218	1799	204	8436	23779	.	.	5.26
	76B	34218	2246	350	2405	8354	20863	.	6.56

Table B14  
The CR Item Distribution for Reading Grade 10

FORM	ITEMNO	N	OMIT	Code B	0	1	2	3	%_OMIT
A	63	6929	499	116	334	2249	2953	778	7.2
	69	6929	715	550	1311	1469	2315	569	10.32
	75	6929	650	122	403	2060	2785	909	9.38
	79	6929	754	125	333	1541	3163	1013	10.88