

APPENDIX C: THE 2008 MSA-READING CLASSICAL AND RASCH ITEM PARAMETERS

Table C.1 The 2008 MSA-Reading Classical and Rasch Item Parameters: Grade 3

| Item Number | Item Type | P-Value | Point-Biserial | Rasch Difficulty | SE | Ms. Infit | Ms. Outfit | Step 0-1 | Step 1-2 | Step 2-3 |
|-------------|-----------|---------|----------------|------------------|--------|-----------|------------|----------|----------|----------|
| 1 | SR | 0.93 | 0.24 | -1.3708 | 0.0615 | 0.70 | 0.63 | | | |
| 3 | SR | 0.98 | 0.28 | -3.3089 | 0.1314 | 0.89 | 0.26 | | | |
| 4 | SR | 0.74 | 0.47 | -0.1994 | 0.0457 | 0.88 | 0.78 | | | |
| 6 | SR | 0.87 | 0.32 | -1.1969 | 0.0582 | 0.98 | 0.94 | | | |
| 7 | SR | 0.89 | 0.32 | -1.4394 | 0.0628 | 0.96 | 1.07 | | | |
| 8 | SR | 0.94 | 0.31 | -2.1425 | 0.0806 | 0.92 | 0.53 | | | |
| 10 | SR | 0.68 | 0.34 | 0.1005 | 0.0435 | 1.03 | 1.00 | | | |
| 11 | SR | 0.64 | 0.38 | 0.4026 | 0.0420 | 0.96 | 0.90 | | | |
| 12 | SR | 0.77 | 0.35 | -0.3764 | 0.0474 | 0.99 | 0.88 | | | |
| 14 | SR | 0.78 | 0.48 | -0.4995 | 0.0486 | 0.89 | 0.78 | | | |
| 15 | BCR | 0.39 | 0.51 | 2.2206 | 0.0274 | 0.97 | 0.96 | -1.9595 | -0.8455 | 2.8050 |
| 16 | SR | 0.46 | 0.25 | 1.3168 | 0.0407 | 1.12 | 1.22 | | | |
| 17 | SR | 0.43 | 0.27 | 1.1695 | 0.0406 | 1.06 | 1.10 | | | |
| 18 | BCR | 0.44 | 0.42 | 1.5812 | 0.0370 | 0.98 | 0.98 | -4.1468 | 0.1837 | 3.9631 |
| 19 | SR | 0.62 | 0.32 | 0.4932 | 0.0421 | 1.04 | 1.05 | | | |
| 20 | SR | 0.85 | 0.25 | -0.5386 | 0.0491 | 0.86 | 0.85 | | | |
| 21 | BCR | 0.46 | 0.49 | 1.6154 | 0.0298 | 0.97 | 0.95 | -2.4425 | -0.5135 | 2.9561 |
| 22 | SR | 0.78 | 0.44 | -0.3016 | 0.0467 | 0.85 | 0.72 | | | |
| 23 | SR | 0.65 | 0.42 | 0.2707 | 0.0430 | 0.97 | 0.94 | | | |
| 24 | BCR | 0.36 | 0.38 | 2.3142 | 0.0293 | 1.17 | 1.19 | -2.4282 | -0.3975 | 2.8256 |
| 25 | SR | 0.64 | 0.40 | 0.4743 | 0.0419 | 0.92 | 0.88 | | | |
| 26 | SR | 0.74 | 0.39 | -0.2474 | 0.0461 | 0.96 | 0.92 | | | |
| 28 | SR | 0.67 | 0.47 | 0.2192 | 0.0429 | 0.90 | 0.82 | | | |
| 29 | SR | 0.82 | 0.39 | -0.7230 | 0.0512 | 0.92 | 0.83 | | | |
| 30 | SR | 0.85 | 0.38 | -1.1049 | 0.0568 | 0.95 | 0.85 | | | |
| 31 | SR | 0.68 | 0.25 | 0.1164 | 0.0434 | 1.09 | 1.12 | | | |
| 32 | SR | 0.79 | 0.34 | -0.5607 | 0.0492 | 1.00 | 0.93 | | | |
| 33 | SR | 0.80 | 0.39 | -0.6244 | 0.0500 | 0.93 | 0.79 | | | |
| 34 | SR | 0.38 | 0.14 | 1.6450 | 0.0414 | 1.20 | 1.35 | | | |
| 42 | SR | 0.68 | 0.27 | 0.1366 | 0.0434 | 1.09 | 1.12 | | | |
| 43 | SR | 0.32 | 0.12 | 1.9814 | 0.0429 | 1.20 | 1.48 | | | |
| 44 | SR | 0.86 | 0.35 | -1.2669 | 0.0598 | 0.95 | 0.90 | | | |
| 45 | SR | 0.66 | 0.34 | 0.2368 | 0.0430 | 1.04 | 1.06 | | | |
| 48 | SR | 0.54 | 0.36 | 0.8086 | 0.0410 | 1.01 | 1.01 | | | |
| 49 | SR | 0.72 | 0.35 | -0.1374 | 0.0457 | 1.02 | 1.03 | | | |
| 50 | SR | 0.81 | 0.44 | -0.8040 | 0.0528 | 0.90 | 0.75 | | | |
| 51 | SR | 0.73 | 0.44 | -0.3685 | 0.0477 | 0.94 | 0.87 | | | |

Table C.2 The 2008 MSA-Reading Classical and Rasch Item Parameters: Grade 4

| Item Number | Item Type | P-Value | Point-Biserial | Rasch Difficulty | SE | Ms. Infit | Ms. Outfit | Step 0-1 | Step 1-2 | Step 2-3 |
|-------------|-----------|---------|----------------|------------------|--------|-----------|------------|----------|----------|----------|
| 1 | SR | 0.65 | 0.45 | 0.8485 | 0.0420 | 0.93 | 0.86 | | | |
| 2 | SR | 0.79 | 0.39 | -0.2773 | 0.0508 | 1.06 | 0.89 | | | |
| 3 | SR | 0.78 | 0.39 | -0.0474 | 0.0482 | 0.97 | 0.83 | | | |
| 4 | SR | 0.94 | 0.33 | -1.6940 | 0.0798 | 0.94 | 0.59 | | | |
| 6 | SR | 0.95 | 0.32 | -1.3091 | 0.0692 | 0.49 | 0.31 | | | |
| 7 | SR | 0.96 | 0.27 | -2.4973 | 0.1111 | 0.91 | 0.42 | | | |
| 8 | SR | 0.55 | 0.20 | 1.2863 | 0.0409 | 1.20 | 1.26 | | | |
| 10 | SR | 0.94 | 0.28 | -1.7138 | 0.0810 | 0.94 | 0.88 | | | |
| 11 | SR | 0.89 | 0.32 | -0.9493 | 0.0618 | 0.96 | 0.88 | | | |
| 13 | SR | 0.63 | 0.25 | 0.7080 | 0.0427 | 1.20 | 1.33 | | | |
| 14 | BCR | 0.54 | 0.36 | 1.4129 | 0.0366 | 1.07 | 1.09 | -3.7214 | -0.5028 | 4.2243 |
| 15 | SR | 0.72 | 0.46 | 0.2293 | 0.0458 | 0.97 | 0.93 | | | |
| 16 | SR | 0.68 | 0.38 | 0.7692 | 0.0425 | 0.96 | 0.93 | | | |
| 17 | BCR | 0.49 | 0.45 | 2.4090 | 0.0392 | 0.96 | 0.95 | -5.5103 | -0.8980 | 6.4084 |
| 18 | SR | 0.68 | 0.26 | 0.8319 | 0.0423 | 1.07 | 1.17 | | | |
| 19 | SR | 0.61 | 0.35 | 1.1764 | 0.0411 | 0.99 | 0.99 | | | |
| 20 | BCR | 0.52 | 0.43 | 1.8767 | 0.0361 | 1.01 | 1.00 | -3.7237 | -0.7714 | 4.4951 |
| 21 | SR | 0.49 | 0.37 | 1.7387 | 0.0409 | 1.02 | 1.08 | | | |
| 22 | SR | 0.82 | 0.43 | -0.6023 | 0.0557 | 1.01 | 0.88 | | | |
| 23 | BCR | 0.49 | 0.45 | 2.1074 | 0.0380 | 0.96 | 0.96 | -4.7107 | -0.5710 | 5.2817 |
| 24 | SR | 0.78 | 0.42 | -0.0068 | 0.0480 | 0.92 | 0.89 | | | |
| 25 | SR | 0.48 | 0.37 | 1.5995 | 0.0408 | 1.01 | 1.00 | | | |
| 26 | SR | 0.78 | 0.36 | 0.0078 | 0.0477 | 0.97 | 0.93 | | | |
| 27 | SR | 0.64 | 0.48 | 0.9086 | 0.0418 | 0.90 | 0.86 | | | |
| 29 | SR | 0.44 | 0.34 | 1.8308 | 0.0412 | 1.02 | 1.07 | | | |
| 30 | SR | 0.84 | 0.39 | -0.4906 | 0.0538 | 0.94 | 0.81 | | | |
| 32 | SR | 0.56 | 0.30 | 1.2561 | 0.0411 | 1.09 | 1.11 | | | |
| 33 | SR | 0.74 | 0.43 | 0.1900 | 0.0461 | 0.94 | 0.85 | | | |
| 34 | SR | 0.65 | 0.39 | 0.8154 | 0.0424 | 0.96 | 0.94 | | | |
| 41 | SR | 0.67 | 0.35 | 0.6252 | 0.0433 | 1.04 | 0.99 | | | |
| 42 | SR | 0.50 | 0.26 | 1.5863 | 0.0410 | 1.14 | 1.25 | | | |
| 43 | SR | 0.79 | 0.40 | -0.1066 | 0.0494 | 0.94 | 0.83 | | | |
| 45 | SR | 0.73 | 0.45 | 0.1261 | 0.0477 | 0.89 | 0.80 | | | |
| 47 | SR | 0.44 | 0.26 | 1.8120 | 0.0416 | 1.15 | 1.24 | | | |
| 48 | SR | 0.62 | 0.38 | 0.7931 | 0.0430 | 1.00 | 0.98 | | | |
| 49 | SR | 0.32 | 0.20 | 2.3987 | 0.0437 | 1.18 | 1.38 | | | |
| 50 | SR | 0.42 | 0.38 | 1.9232 | 0.0419 | 0.95 | 0.95 | | | |

Table C.3 The 2008 MSA-Reading Classical and Rasch Item Parameters: Grade 5

| Item Number | Item Type | P-Value | Point-Biserial | Rasch Difficulty | SE | Ms. Infit | Ms. Outfit | Step 0-1 | Step 1-2 | Step 2-3 |
|-------------|-----------|---------|----------------|------------------|--------|-----------|------------|----------|----------|----------|
| 1 | SR | 0.86 | 0.20 | -0.6371 | 0.0543 | 1.08 | 1.46 | | | |
| 2 | SR | 0.81 | 0.06 | -0.2093 | 0.0490 | 1.14 | 1.49 | | | |
| 3 | SR | 0.91 | 0.28 | -1.2263 | 0.0648 | 0.86 | 0.79 | | | |
| 4 | SR | 0.94 | 0.31 | -1.4827 | 0.0705 | 0.77 | 0.56 | | | |
| 6 | SR | 0.92 | 0.37 | -1.3213 | 0.0668 | 0.85 | 0.60 | | | |
| 7 | SR | 0.95 | 0.28 | -1.8707 | 0.0814 | 0.81 | 0.63 | | | |
| 8 | SR | 0.89 | 0.36 | -1.0118 | 0.0606 | 0.85 | 0.69 | | | |
| 9 | SR | 0.50 | 0.10 | 1.4561 | 0.0412 | 1.29 | 1.44 | | | |
| 10 | SR | 0.93 | 0.37 | -1.7612 | 0.0782 | 0.91 | 0.55 | | | |
| 12 | SR | 0.72 | 0.35 | 0.2674 | 0.0449 | 1.03 | 1.15 | | | |
| 13 | BCR | 0.61 | 0.41 | 0.8128 | 0.0431 | 0.94 | 0.92 | -3.5853 | -1.1317 | 4.7170 |
| 14 | SR | 0.63 | 0.38 | 0.6569 | 0.0428 | 0.99 | 0.95 | | | |
| 15 | SR | 0.80 | 0.41 | -0.0942 | 0.0480 | 0.90 | 0.98 | | | |
| 16 | BCR | 0.51 | 0.36 | 1.6931 | 0.0373 | 1.08 | 1.08 | -4.1387 | -0.5787 | 4.7175 |
| 17 | SR | 0.70 | 0.45 | 0.3150 | 0.0447 | 0.91 | 0.87 | | | |
| 18 | SR | 0.76 | 0.34 | -0.0933 | 0.0479 | 1.01 | 1.04 | | | |
| 19 | BCR | 0.45 | 0.51 | 1.9023 | 0.0288 | 0.97 | 0.97 | -2.1832 | -0.5677 | 2.7509 |
| 20 | SR | 0.62 | 0.38 | 0.8069 | 0.0422 | 0.99 | 0.95 | | | |
| 21 | SR | 0.73 | 0.50 | 0.0189 | 0.0469 | 0.90 | 0.76 | | | |
| 22 | BCR | 0.26 | 0.45 | 3.2443 | 0.0298 | 0.97 | 0.97 | -1.9905 | -0.2633 | 2.2539 |
| 23 | SR | 0.73 | 0.40 | 0.2838 | 0.0450 | 0.87 | 0.81 | | | |
| 24 | SR | 0.66 | 0.51 | 0.6301 | 0.0429 | 0.85 | 0.76 | | | |
| 25 | SR | 0.92 | 0.40 | -1.4082 | 0.0688 | 0.88 | 0.62 | | | |
| 26 | SR | 0.69 | 0.24 | 0.3943 | 0.0443 | 1.16 | 1.30 | | | |
| 28 | SR | 0.80 | 0.40 | -0.3381 | 0.0511 | 0.94 | 0.91 | | | |
| 29 | SR | 0.62 | 0.21 | 0.8241 | 0.0422 | 1.17 | 1.29 | | | |
| 30 | SR | 0.67 | 0.36 | 0.5393 | 0.0433 | 1.01 | 1.03 | | | |
| 32 | SR | 0.58 | 0.38 | 1.0171 | 0.0417 | 1.01 | 0.99 | | | |
| 33 | SR | 0.45 | 0.33 | 1.6175 | 0.0414 | 1.05 | 1.13 | | | |
| 40 | SR | 0.76 | 0.53 | -0.0038 | 0.0473 | 0.83 | 0.69 | | | |
| 42 | SR | 0.79 | 0.41 | -0.3507 | 0.0510 | 0.97 | 0.90 | | | |
| 43 | SR | 0.41 | 0.36 | 1.8451 | 0.0419 | 0.99 | 1.05 | | | |
| 44 | SR | 0.83 | 0.50 | -0.6512 | 0.0552 | 0.84 | 0.60 | | | |
| 45 | SR | 0.48 | 0.22 | 1.4492 | 0.0414 | 1.21 | 1.31 | | | |
| 46 | SR | 0.82 | 0.44 | -0.6214 | 0.0546 | 0.90 | 0.75 | | | |
| 48 | SR | 0.77 | 0.41 | -0.2335 | 0.0499 | 0.96 | 0.89 | | | |
| 49 | SR | 0.55 | 0.38 | 1.0879 | 0.0419 | 1.03 | 1.05 | | | |

Table C.4 The 2008 MSA-Reading Classical and Rasch Item Parameters: Grade 6

| Item Number | Item Type | P-Value | Point-Biserial | Rasch Difficulty | SE | Ms. Infit | Ms. Outfit | Step 0-1 | Step 1-2 | Step 2-3 |
|-------------|-----------|---------|----------------|------------------|--------|-----------|------------|----------|----------|----------|
| 1 | SR | 0.92 | 0.29 | -1.3336 | 0.0645 | 0.80 | 0.64 | | | |
| 2 | SR | 0.96 | 0.26 | -2.7550 | 0.1110 | 0.93 | 0.75 | | | |
| 3 | SR | 0.85 | 0.20 | -0.9089 | 0.0569 | 1.11 | 1.57 | | | |
| 4 | SR | 0.88 | 0.29 | -1.1479 | 0.0609 | 0.97 | 0.94 | | | |
| 5 | SR | 0.81 | 0.28 | -0.5668 | 0.0521 | 1.09 | 1.26 | | | |
| 7 | SR | 0.92 | 0.40 | -1.4246 | 0.0666 | 0.78 | 0.54 | | | |
| 8 | SR | 0.52 | 0.36 | 1.0944 | 0.0418 | 1.08 | 1.13 | | | |
| 9 | SR | 0.80 | 0.37 | -0.4850 | 0.0514 | 1.01 | 0.90 | | | |
| 10 | SR | 0.93 | 0.32 | -1.5147 | 0.0688 | 0.74 | 0.49 | | | |
| 12 | SR | 0.59 | 0.17 | 0.7875 | 0.0423 | 1.28 | 1.54 | | | |
| 13 | BCR | 0.51 | 0.41 | 1.2440 | 0.0375 | 1.01 | 1.01 | -4.3701 | 0.0005 | 4.3697 |
| 14 | SR | 0.61 | 0.40 | 0.9960 | 0.0418 | 0.95 | 0.96 | | | |
| 15 | SR | 0.73 | 0.34 | -0.2046 | 0.0482 | 1.11 | 1.16 | | | |
| 16 | BCR | 0.50 | 0.49 | 1.3674 | 0.0363 | 0.94 | 0.93 | -3.7982 | -0.3367 | 4.1348 |
| 17 | SR | 0.78 | 0.37 | -0.2090 | 0.0484 | 0.96 | 1.06 | | | |
| 18 | SR | 0.73 | 0.41 | 0.0837 | 0.0458 | 0.97 | 0.90 | | | |
| 19 | BCR | 0.48 | 0.47 | 1.6025 | 0.0362 | 0.99 | 0.99 | -3.9479 | -0.1895 | 4.1374 |
| 20 | SR | 0.84 | 0.49 | -0.5605 | 0.0521 | 0.84 | 0.69 | | | |
| 21 | SR | 0.32 | 0.34 | 2.2706 | 0.0442 | 0.98 | 1.25 | | | |
| 22 | BCR | 0.55 | 0.49 | 0.7994 | 0.0341 | 0.98 | 0.98 | -3.3192 | -0.0990 | 3.4182 |
| 23 | SR | 0.61 | 0.47 | 0.8285 | 0.0424 | 0.89 | 0.84 | | | |
| 24 | SR | 0.66 | 0.34 | 0.5185 | 0.0433 | 1.04 | 1.05 | | | |
| 26 | SR | 0.71 | 0.41 | 0.0913 | 0.0458 | 0.96 | 0.98 | | | |
| 27 | SR | 0.76 | 0.48 | -0.1405 | 0.0476 | 0.89 | 0.71 | | | |
| 28 | SR | 0.57 | 0.34 | 0.8582 | 0.0422 | 1.08 | 1.13 | | | |
| 29 | SR | 0.88 | 0.39 | -0.9772 | 0.0580 | 0.92 | 1.11 | | | |
| 30 | SR | 0.50 | 0.31 | 1.2935 | 0.0416 | 1.12 | 1.21 | | | |
| 32 | SR | 0.84 | 0.36 | -0.7374 | 0.0545 | 0.96 | 1.04 | | | |
| 33 | SR | 0.78 | 0.34 | -0.3487 | 0.0498 | 1.02 | 1.40 | | | |
| 40 | SR | 0.58 | 0.34 | 0.8946 | 0.0421 | 1.08 | 1.10 | | | |
| 41 | SR | 0.80 | 0.41 | -0.4198 | 0.0505 | 0.96 | 0.90 | | | |
| 43 | SR | 0.57 | 0.35 | 0.9591 | 0.0420 | 1.09 | 1.22 | | | |
| 44 | SR | 0.70 | 0.32 | 0.1688 | 0.0454 | 1.07 | 1.05 | | | |
| 45 | SR | 0.55 | 0.46 | 1.0247 | 0.0420 | 0.90 | 0.91 | | | |
| 46 | SR | 0.72 | 0.47 | 0.0542 | 0.0462 | 0.91 | 0.79 | | | |
| 47 | SR | 0.71 | 0.50 | 0.1787 | 0.0455 | 0.85 | 0.72 | | | |
| 49 | SR | 0.84 | 0.39 | -0.8128 | 0.0558 | 0.95 | 0.80 | | | |

Table C.5 The 2008 MSA-Reading Classical and Rasch Item Parameters: Grade 7

| Item Number | Item Type | P-Value | Point-Biserial | Rasch Difficulty | SE | Ms. Infit | Ms. Outfit | Step 0-1 | Step 1-2 | Step 2-3 |
|-------------|-----------|---------|----------------|------------------|--------|-----------|------------|----------|----------|----------|
| 1 | SR | 0.95 | 0.31 | -1.9151 | 0.0763 | 0.83 | 0.70 | | | |
| 2 | SR | 0.92 | 0.22 | -1.5468 | 0.0672 | 0.84 | 0.97 | | | |
| 3 | SR | 0.79 | 0.46 | -0.5743 | 0.0509 | 1.04 | 0.91 | | | |
| 5 | SR | 0.90 | 0.17 | -1.1399 | 0.0591 | 0.87 | 1.15 | | | |
| 6 | SR | 0.94 | 0.35 | -1.8025 | 0.0735 | 0.77 | 0.56 | | | |
| 8 | SR | 0.74 | 0.42 | 0.0008 | 0.0454 | 0.94 | 0.90 | | | |
| 9 | BCR | 0.48 | 0.59 | 1.3861 | 0.0314 | 0.84 | 0.84 | -2.8846 | 0.0487 | 2.8359 |
| 10 | SR | 0.87 | 0.34 | -0.9289 | 0.0556 | 0.91 | 0.87 | | | |
| 11 | SR | 0.60 | 0.47 | 0.7491 | 0.0416 | 0.89 | 0.86 | | | |
| 12 | BCR | 0.54 | 0.54 | 0.5998 | 0.0333 | 0.87 | 0.87 | -3.4107 | 0.1328 | 3.2779 |
| 13 | SR | 0.77 | 0.35 | -0.0919 | 0.0464 | 0.95 | 0.93 | | | |
| 14 | SR | 0.59 | 0.29 | 0.7935 | 0.0415 | 1.11 | 1.25 | | | |
| 15 | BCR | 0.49 | 0.49 | 1.8303 | 0.0293 | 1.07 | 1.09 | -2.1114 | -1.1410 | 3.2524 |
| 16 | SR | 0.66 | 0.46 | 0.3333 | 0.0433 | 0.92 | 0.88 | | | |
| 17 | SR | 0.93 | 0.33 | -2.1691 | 0.0842 | 0.95 | 0.84 | | | |
| 18 | BCR | 0.41 | 0.50 | 2.0556 | 0.0325 | 0.92 | 0.92 | -3.0554 | 0.0723 | 2.9830 |
| 19 | SR | 0.82 | 0.45 | -0.6797 | 0.0524 | 0.89 | 0.76 | | | |
| 20 | SR | 0.51 | 0.29 | 1.1226 | 0.0410 | 1.11 | 1.17 | | | |
| 21 | SR | 0.79 | 0.47 | -0.4955 | 0.0500 | 0.89 | 0.83 | | | |
| 23 | SR | 0.75 | 0.38 | -0.1968 | 0.0470 | 0.99 | 1.00 | | | |
| 24 | SR | 0.52 | 0.15 | 1.1334 | 0.0411 | 1.26 | 1.38 | | | |
| 26 | SR | 0.81 | 0.36 | -0.6434 | 0.0517 | 1.00 | 0.96 | | | |
| 27 | SR | 0.40 | 0.25 | 1.7803 | 0.0419 | 1.12 | 1.23 | | | |
| 28 | SR | 0.68 | 0.45 | 0.2558 | 0.0438 | 0.93 | 0.85 | | | |
| 29 | SR | 0.75 | 0.43 | -0.2030 | 0.0472 | 0.90 | 0.80 | | | |
| 30 | SR | 0.63 | 0.28 | 0.5811 | 0.0422 | 1.15 | 1.24 | | | |
| 31 | SR | 0.77 | 0.47 | -0.2244 | 0.0472 | 0.89 | 0.79 | | | |
| 33 | SR | 0.86 | 0.48 | -1.0806 | 0.0582 | 0.86 | 0.59 | | | |
| 34 | SR | 0.40 | 0.13 | 1.7686 | 0.0420 | 1.29 | 1.56 | | | |
| 41 | SR | 0.81 | 0.50 | -0.5236 | 0.0505 | 0.85 | 0.70 | | | |
| 43 | SR | 0.69 | 0.39 | 0.2049 | 0.0444 | 0.99 | 0.99 | | | |
| 44 | SR | 0.80 | 0.46 | -0.6169 | 0.0517 | 0.91 | 0.73 | | | |
| 45 | SR | 0.77 | 0.37 | -0.3848 | 0.0491 | 1.00 | 1.09 | | | |
| 46 | SR | 0.39 | 0.26 | 1.7151 | 0.0419 | 1.14 | 1.31 | | | |
| 48 | SR | 0.48 | 0.31 | 1.2654 | 0.0414 | 1.07 | 1.12 | | | |
| 49 | SR | 0.60 | 0.36 | 0.6987 | 0.0422 | 1.02 | 0.99 | | | |
| 50 | SR | 0.43 | 0.35 | 1.5470 | 0.0416 | 1.01 | 1.11 | | | |

Table C.6 The 2008 MSA-Reading Classical and Rasch Item Parameters: Grade 8

| Item Number | Item Type | P-Value | Point-Biserial | Rasch Difficulty | SE | Ms. Infit | Ms. Outfit | Step 0-1 | Step 1-2 | Step 2-3 |
|-------------|-----------|---------|----------------|------------------|--------|-----------|------------|----------|----------|----------|
| 1 | SR | 0.95 | 0.25 | -2.2921 | 0.0865 | 0.98 | 0.78 | | | |
| 2 | SR | 0.93 | 0.35 | -1.6274 | 0.0678 | 0.73 | 0.47 | | | |
| 4 | SR | 0.84 | 0.38 | -0.6076 | 0.0504 | 0.93 | 0.89 | | | |
| 5 | SR | 0.83 | 0.33 | -0.6192 | 0.0506 | 0.98 | 0.99 | | | |
| 6 | SR | 0.89 | 0.40 | -1.3966 | 0.0627 | 0.89 | 0.72 | | | |
| 8 | SR | 0.76 | 0.41 | 0.0177 | 0.0447 | 0.89 | 0.84 | | | |
| 9 | BCR | 0.56 | 0.57 | 0.4280 | 0.0359 | 0.83 | 0.82 | -4.0698 | 0.1405 | 3.9293 |
| 10 | SR | 0.78 | 0.41 | -0.0768 | 0.0454 | 0.88 | 0.79 | | | |
| 11 | SR | 0.80 | 0.47 | -0.3084 | 0.0473 | 0.80 | 0.65 | | | |
| 12 | BCR | 0.53 | 0.56 | 0.5900 | 0.0366 | 0.84 | 0.84 | -4.3977 | 0.2564 | 4.1412 |
| 13 | SR | 0.73 | 0.45 | -0.2440 | 0.0470 | 1.00 | 0.89 | | | |
| 14 | SR | 0.54 | 0.41 | 0.9184 | 0.0412 | 0.97 | 0.95 | | | |
| 15 | BCR | 0.52 | 0.50 | 1.2904 | 0.0305 | 0.99 | 1.01 | -2.0894 | -1.0192 | 3.1087 |
| 16 | SR | 0.55 | 0.31 | 0.8321 | 0.0413 | 1.11 | 1.18 | | | |
| 17 | SR | 0.65 | 0.33 | 0.3891 | 0.0426 | 1.05 | 1.09 | | | |
| 18 | BCR | 0.48 | 0.50 | 1.5867 | 0.0280 | 1.04 | 1.04 | -1.9730 | -0.6017 | 2.5747 |
| 19 | SR | 0.59 | 0.28 | 0.7141 | 0.0418 | 1.11 | 1.13 | | | |
| 21 | SR | 0.79 | 0.32 | -0.4404 | 0.0485 | 1.03 | 1.19 | | | |
| 22 | SR | 0.80 | 0.32 | -0.5587 | 0.0499 | 1.02 | 1.01 | | | |
| 23 | SR | 0.81 | 0.27 | -0.5660 | 0.0499 | 1.06 | 1.33 | | | |
| 24 | SR | 0.44 | 0.32 | 1.5274 | 0.0415 | 1.05 | 1.11 | | | |
| 25 | SR | 0.84 | 0.39 | -0.8348 | 0.0534 | 0.96 | 0.88 | | | |
| 27 | SR | 0.88 | 0.28 | -1.3197 | 0.0614 | 1.04 | 1.10 | | | |
| 28 | SR | 0.92 | 0.37 | -1.7200 | 0.0700 | 0.93 | 0.70 | | | |
| 29 | SR | 0.75 | 0.32 | -0.2055 | 0.0465 | 1.06 | 1.14 | | | |
| 30 | SR | 0.76 | 0.41 | -0.1837 | 0.0463 | 0.97 | 0.92 | | | |
| 31 | SR | 0.33 | 0.14 | 2.1227 | 0.0439 | 1.30 | 1.61 | | | |
| 32 | SR | 0.63 | 0.40 | 0.4497 | 0.0427 | 1.00 | 0.99 | | | |
| 33 | SR | 0.65 | 0.37 | 0.4272 | 0.0425 | 1.03 | 1.06 | | | |
| 41 | SR | 0.71 | 0.53 | 0.0382 | 0.0448 | 0.85 | 0.73 | | | |
| 42 | SR | 0.76 | 0.45 | -0.2902 | 0.0473 | 0.93 | 0.80 | | | |
| 43 | SR | 0.57 | 0.40 | 0.8115 | 0.0416 | 0.97 | 0.95 | | | |
| 44 | SR | 0.39 | 0.33 | 1.6957 | 0.0422 | 1.04 | 1.19 | | | |
| 47 | SR | 0.41 | 0.20 | 1.6410 | 0.0422 | 1.22 | 1.34 | | | |
| 48 | SR | 0.82 | 0.50 | -0.8105 | 0.0540 | 0.85 | 0.63 | | | |
| 49 | SR | 0.47 | 0.26 | 1.3038 | 0.0416 | 1.13 | 1.19 | | | |
| 50 | SR | 0.72 | 0.41 | -0.0163 | 0.0457 | 0.97 | 0.95 | | | |