

APPENDIX I
ITEM-LEVEL CLASSICAL STATISTICS

Table I-1. Item-Level Classical Test Theory Statistics—ELA Grade 3

| Item | | Type | N | Difficulty | Discrimination | Percent Omitted (%) |
|-------------|--|------|--------|------------|----------------|---------------------|
| Number | | | | | | |
| EL625963791 | | CR | 26,163 | 0.41 | 0.59 | 2 |
| EL735736712 | | ES | 26,166 | 0.19 | 0.68 | 2 |
| EL284948 | | SR | 26,163 | 0.53 | 0.52 | 0 |
| EL735650731 | | SR | 26,166 | 0.83 | 0.50 | 0 |
| EL735720857 | | SR | 26,166 | 0.81 | 0.65 | 0 |
| EL625956377 | | SR | 26,163 | 0.59 | 0.43 | 0 |
| EL284949 | | SR | 26,163 | 0.71 | 0.47 | 0 |
| EL625955513 | | SR | 26,163 | 0.31 | 0.35 | 0 |
| EL625955796 | | SR | 26,163 | 0.66 | 0.51 | 0 |
| EL625962061 | | SR | 26,163 | 0.52 | 0.47 | 0 |
| EL735752249 | | SR | 26,166 | 0.48 | 0.37 | 0 |
| EL284943 | | SR | 26,163 | 0.55 | 0.51 | 0 |
| EL625961096 | | SR | 26,163 | 0.77 | 0.45 | 1 |
| EL625956196 | | SR | 26,163 | 0.42 | 0.37 | 0 |
| EL630945115 | | SR | 26,163 | 0.65 | 0.50 | 0 |
| EL625956672 | | SR | 26,163 | 0.70 | 0.56 | 0 |
| EL625959734 | | SR | 26,163 | 0.78 | 0.45 | 0 |
| EL735535111 | | SR | 26,166 | 0.53 | 0.47 | 0 |
| EL735653115 | | SR | 26,166 | 0.66 | 0.46 | 0 |
| EL284950 | | SR | 26,163 | 0.67 | 0.57 | 0 |
| EL735726219 | | SR | 26,166 | 0.64 | 0.65 | 0 |
| EL735629990 | | SR | 26,166 | 0.51 | 0.53 | 0 |
| EL735722199 | | SR | 26,166 | 0.55 | 0.60 | 1 |
| EL625959920 | | SR | 26,163 | 0.71 | 0.69 | 0 |
| EL735619614 | | SR | 26,166 | 0.74 | 0.56 | 0 |
| EL625957401 | | SR | 26,163 | 0.64 | 0.57 | 0 |
| EL735655419 | | SR | 26,166 | 0.58 | 0.45 | 0 |
| EL284946 | | SR | 26,163 | 0.40 | 0.48 | 0 |
| EL284944 | | SR | 26,163 | 0.55 | 0.53 | 0 |
| EL735534612 | | SR | 26,166 | 0.69 | 0.56 | 0 |

Table I-2. Item-Level Classical Test Theory Statistics—ELA Grade 4

| Item | | Type | N | Difficulty | Discrimination | Percent Omitted (%) |
|-------------|--|------|--------|------------|----------------|---------------------|
| Number | | | | | | |
| EL810046581 | | CR | 26,640 | 0.44 | 0.68 | 1 |
| EL812949238 | | ES | 26,673 | 0.33 | 0.81 | 1 |
| EL812952378 | | SR | 26,673 | 0.62 | 0.62 | 1 |
| EL812877459 | | SR | 26,673 | 0.82 | 0.45 | 0 |
| EL809949160 | | SR | 26,640 | 0.73 | 0.44 | 0 |
| EL291032 | | SR | 26,640 | 0.71 | 0.50 | 0 |
| EL291033 | | SR | 26,640 | 0.81 | 0.56 | 0 |
| EL812878729 | | SR | 26,673 | 0.63 | 0.54 | 0 |
| EL291029 | | SR | 26,640 | 0.66 | 0.54 | 0 |
| EL810084405 | | SR | 26,640 | 0.71 | 0.53 | 0 |
| EL812943115 | | SR | 26,673 | 0.80 | 0.44 | 0 |
| EL812941713 | | SR | 26,673 | 0.54 | 0.39 | 0 |
| EL291035 | | SR | 26,640 | 0.57 | 0.48 | 0 |
| EL810000435 | | SR | 26,640 | 0.59 | 0.39 | 0 |
| EL812938303 | | SR | 26,673 | 0.61 | 0.51 | 0 |
| EL810057059 | | SR | 26,640 | 0.64 | 0.43 | 0 |
| EL810048797 | | SR | 26,640 | 0.61 | 0.47 | 0 |
| EL291039 | | SR | 26,640 | 0.69 | 0.58 | 0 |
| EL810080136 | | SR | 26,640 | 0.55 | 0.48 | 0 |
| EL809950008 | | SR | 26,640 | 0.59 | 0.61 | 0 |
| EL812951483 | | SR | 26,673 | 0.74 | 0.60 | 0 |

continued



| Item Number | Type | N | Difficulty | Discrimination | Percent Omitted (%) |
|----------------|------|--------|------------|----------------|------------------------|
| EL812878059 | SR | 26,673 | 0.76 | 0.41 | 0 |
| EL812936582 | SR | 26,673 | 0.63 | 0.43 | 0 |
| EL810079080 | SR | 26,640 | 0.64 | 0.45 | 0 |
| EL812935959 | SR | 26,673 | 0.79 | 0.57 | 0 |
| EL812937722 | SR | 26,673 | 0.61 | 0.49 | 0 |
| EL810055968 | SR | 26,640 | 0.57 | 0.62 | 1 |
| EL810082669 | SR | 26,640 | 0.40 | 0.48 | 0 |
| EL291341 | SR | 26,640 | 0.69 | 0.61 | 0 |
| EL810078292 | SR | 26,640 | 0.43 | 0.60 | 0 |
| EL810107042 | SR | 26,640 | 0.63 | 0.42 | 0 |

Table I-3. Item-Level Classical Test Theory Statistics—ELA Grade 5

| Item Number | Type | N | Difficulty | Discrimination | Percent Omitted (%) |
|----------------|------|--------|------------|----------------|------------------------|
| EL736478825 | ES | 26,631 | 0.34 | 0.77 | 1 |
| EL806033603 | ES | 26,737 | 0.38 | 0.77 | 1 |
| EL284554 | SR | 26,631 | 0.68 | 0.52 | 0 |
| EL284550 | SR | 26,631 | 0.67 | 0.33 | 0 |
| EL736478536 | SR | 26,631 | 0.56 | 0.64 | 0 |
| EL805955585 | SR | 26,737 | 0.56 | 0.53 | 0 |
| EL736467737 | SR | 26,631 | 0.76 | 0.32 | 0 |
| EL284552 | SR | 26,631 | 0.70 | 0.47 | 0 |
| EL284560 | SR | 26,631 | 0.52 | 0.38 | 0 |
| EL806031849 | SR | 26,737 | 0.60 | 0.45 | 0 |
| EL805957484 | SR | 26,737 | 0.61 | 0.55 | 0 |
| EL805940359 | SR | 26,737 | 0.65 | 0.50 | 0 |
| EL805943442 | SR | 26,737 | 0.78 | 0.48 | 0 |
| EL827627427 | SR | 26,631 | 0.45 | 0.42 | 0 |
| EL284561 | SR | 26,631 | 0.83 | 0.46 | 0 |
| EL736469872 | SR | 26,631 | 0.78 | 0.55 | 0 |
| EL736473790 | SR | 26,631 | 0.54 | 0.45 | 0 |
| EL736474369 | SR | 26,631 | 0.65 | 0.32 | 0 |
| EL805960800 | SR | 26,737 | 0.68 | 0.63 | 0 |
| EL736470482 | SR | 26,631 | 0.51 | 0.39 | 0 |
| EL736473519 | SR | 26,631 | 0.43 | 0.41 | 0 |
| EL736475762 | SR | 26,631 | 0.61 | 0.50 | 0 |
| EL736471910 | SR | 26,631 | 0.76 | 0.42 | 0 |
| EL805937738 | SR | 26,737 | 0.84 | 0.53 | 0 |
| EL284551 | SR | 26,631 | 0.77 | 0.47 | 0 |
| EL284557 | SR | 26,631 | 0.87 | 0.49 | 0 |
| EL805953548 | SR | 26,737 | 0.79 | 0.40 | 0 |
| EL827625874 | SR | 26,631 | 0.66 | 0.42 | 0 |
| EL806032735 | SR | 26,737 | 0.63 | 0.47 | 0 |
| EL805945946 | SR | 26,737 | 0.73 | 0.49 | 0 |
| EL805950210 | SR | 26,737 | 0.82 | 0.36 | 0 |

Table I-4. Item-Level Classical Test Theory Statistics—ELA Grade 6

| Item | | N | Difficulty | Discrimination | Percent Omitted (%) |
|-------------|------|--------|------------|----------------|---------------------|
| Number | Type | | | | |
| EL807016586 | ES | 26,502 | 0.40 | 0.84 | 1 |
| EL735440256 | ES | 26,425 | 0.40 | 0.81 | 1 |
| EL302777 | SR | 26,425 | 0.62 | 0.53 | 0 |
| EL736248371 | SR | 26,425 | 0.67 | 0.57 | 0 |
| EL808245411 | SR | 26,502 | 0.71 | 0.42 | 0 |
| EL302776 | SR | 26,425 | 0.52 | 0.48 | 0 |
| EL807001596 | SR | 26,502 | 0.64 | 0.42 | 0 |
| EL807009150 | SR | 26,502 | 0.74 | 0.39 | 0 |
| EL302779 | SR | 26,425 | 0.67 | 0.46 | 0 |
| EL302786 | SR | 26,425 | 0.69 | 0.46 | 0 |
| EL807002174 | SR | 26,502 | 0.71 | 0.42 | 0 |
| EL736250247 | SR | 26,425 | 0.55 | 0.40 | 0 |
| EL827430074 | SR | 26,425 | 0.41 | 0.22 | 0 |
| EL735550535 | SR | 26,425 | 0.51 | 0.50 | 0 |
| EL736179101 | SR | 26,425 | 0.72 | 0.52 | 0 |
| EL735554315 | SR | 26,425 | 0.58 | 0.54 | 0 |
| EL808246461 | SR | 26,502 | 0.60 | 0.44 | 1 |
| EL807011414 | SR | 26,502 | 0.62 | 0.44 | 0 |
| EL805862435 | SR | 26,425 | 0.44 | 0.52 | 0 |
| EL807062301 | SR | 26,502 | 0.48 | 0.60 | 0 |
| EL807010236 | SR | 26,502 | 0.47 | 0.45 | 0 |
| EL736241262 | SR | 26,425 | 0.56 | 0.50 | 0 |
| EL302788 | SR | 26,425 | 0.80 | 0.52 | 0 |
| EL807011890 | SR | 26,502 | 0.69 | 0.46 | 0 |
| EL735777933 | SR | 26,425 | 0.70 | 0.49 | 0 |
| EL302787 | SR | 26,425 | 0.50 | 0.41 | 0 |
| EL736249096 | SR | 26,425 | 0.66 | 0.48 | 0 |
| EL302782 | SR | 26,425 | 0.65 | 0.53 | 0 |
| EL807061702 | SR | 26,502 | 0.68 | 0.29 | 0 |
| EL736178377 | SR | 26,425 | 0.54 | 0.62 | 0 |
| EL302785 | SR | 26,425 | 0.69 | 0.39 | 0 |
| EL806979864 | SR | 26,502 | 0.75 | 0.51 | 0 |

Table I-5. Item-Level Classical Test Theory Statistics—ELA Grade 7

| Item | | N | Difficulty | Discrimination | Percent Omitted (%) |
|-------------|------|--------|------------|----------------|---------------------|
| Number | Type | | | | |
| EL807349832 | ES | 26,360 | 0.36 | 0.79 | 1 |
| EL807456720 | ES | 26,369 | 0.38 | 0.82 | 1 |
| EL307962 | SR | 26,360 | 0.74 | 0.41 | 0 |
| EL807439180 | SR | 26,369 | 0.60 | 0.49 | 0 |
| EL807354129 | SR | 26,360 | 0.62 | 0.49 | 0 |
| EL307948 | SR | 26,360 | 0.56 | 0.50 | 0 |
| EL807438350 | SR | 26,369 | 0.50 | 0.43 | 0 |
| EL807365314 | SR | 26,360 | 0.60 | 0.60 | 0 |
| EL307973 | SR | 26,360 | 0.50 | 0.42 | 0 |
| EL807445842 | SR | 26,369 | 0.53 | 0.36 | 0 |
| EL807354764 | SR | 26,360 | 0.82 | 0.56 | 0 |
| EL807435581 | SR | 26,369 | 0.78 | 0.51 | 0 |
| EL807351804 | SR | 26,360 | 0.50 | 0.54 | 0 |
| EL807366496 | SR | 26,360 | 0.73 | 0.50 | 0 |
| EL807365831 | SR | 26,360 | 0.72 | 0.41 | 0 |
| EL807354565 | SR | 26,360 | 0.69 | 0.46 | 0 |
| EL807360122 | SR | 26,360 | 0.65 | 0.50 | 0 |
| EL807437999 | SR | 26,369 | 0.49 | 0.47 | 0 |
| EL807432481 | SR | 26,369 | 0.62 | 0.48 | 0 |
| EL307974 | SR | 26,360 | 0.67 | 0.42 | 0 |

continued



| Item Number | Type | N | Difficulty | Discrimination | Percent Omitted (%) |
|-------------|------|--------|------------|----------------|---------------------|
| EL807434187 | SR | 26,369 | 0.51 | 0.59 | 0 |
| EL807433511 | SR | 26,369 | 0.70 | 0.50 | 0 |
| EL307963 | SR | 26,360 | 0.51 | 0.35 | 0 |
| EL807353731 | SR | 26,360 | 0.71 | 0.47 | 0 |
| EL807443512 | SR | 26,369 | 0.81 | 0.51 | 0 |
| EL807443094 | SR | 26,369 | 0.84 | 0.50 | 0 |
| EL307970 | SR | 26,360 | 0.87 | 0.40 | 0 |
| EL807445116 | SR | 26,369 | 0.57 | 0.39 | 0 |
| EL807443849 | SR | 26,369 | 0.49 | 0.60 | 0 |
| EL807355021 | SR | 26,360 | 0.73 | 0.50 | 0 |
| EL807366049 | SR | 26,360 | 0.75 | 0.50 | 0 |
| EL307971 | SR | 26,360 | 0.68 | 0.43 | 0 |

Table I-6. Item-Level Classical Test Theory Statistics—ELA Grade 8

| Item Number | Type | N | Difficulty | Discrimination | Percent Omitted (%) |
|-------------|------|--------|------------|----------------|---------------------|
| EL810733917 | ES | 26,222 | 0.40 | 0.80 | 1 |
| EL810463548 | ES | 26,289 | 0.42 | 0.86 | 2 |
| EL810133273 | SR | 26,289 | 0.72 | 0.54 | 0 |
| EL302250 | SR | 26,222 | 0.66 | 0.53 | 0 |
| EL810358526 | SR | 26,222 | 0.69 | 0.41 | 0 |
| EL815005831 | SR | 26,222 | 0.73 | 0.58 | 0 |
| EL302246 | SR | 26,222 | 0.68 | 0.42 | 0 |
| EL302248 | SR | 26,222 | 0.64 | 0.53 | 0 |
| EL809713456 | SR | 26,289 | 0.64 | 0.71 | 0 |
| EL302251 | SR | 26,222 | 0.80 | 0.46 | 0 |
| EL303224 | SR | 26,222 | 0.75 | 0.45 | 0 |
| EL810562108 | SR | 26,222 | 0.69 | 0.39 | 0 |
| EL809734614 | SR | 26,289 | 0.75 | 0.53 | 0 |
| EL302260 | SR | 26,222 | 0.65 | 0.44 | 0 |
| EL810439521 | SR | 26,289 | 0.68 | 0.56 | 0 |
| EL810456981 | SR | 26,289 | 0.54 | 0.44 | 0 |
| EL810351551 | SR | 26,222 | 0.62 | 0.34 | 0 |
| EL812849329 | SR | 26,289 | 0.76 | 0.54 | 0 |
| EL810357209 | SR | 26,222 | 0.69 | 0.61 | 0 |
| EL302256 | SR | 26,222 | 0.58 | 0.38 | 0 |
| EL810222585 | SR | 26,289 | 0.50 | 0.55 | 0 |
| EL809711064 | SR | 26,289 | 0.65 | 0.46 | 0 |
| EL812838757 | SR | 26,289 | 0.60 | 0.50 | 0 |
| EL810562694 | SR | 26,222 | 0.73 | 0.39 | 0 |
| EL809863460 | SR | 26,289 | 0.73 | 0.55 | 0 |
| EL810561207 | SR | 26,222 | 0.79 | 0.45 | 0 |
| EL810561824 | SR | 26,222 | 0.72 | 0.53 | 0 |
| EL303225 | SR | 26,222 | 0.68 | 0.46 | 0 |
| EL810563002 | SR | 26,222 | 0.51 | 0.39 | 0 |
| EL810356239 | SR | 26,222 | 0.67 | 0.45 | 0 |
| EL810436835 | SR | 26,289 | 0.60 | 0.44 | 0 |
| EL827744691 | SR | 26,222 | 0.88 | 0.49 | 0 |

Table I-7. Item-Level Classical Test Theory Statistics—ELA Grade 10

| Item | | N | Difficulty | Discrimination | Percent Omitted (%) |
|-------------|------|--------|------------|----------------|---------------------|
| Number | Type | | | | |
| EL805452873 | ES | 63,486 | 0.60 | 0.82 | 1 |
| EL800341748 | ES | 63,486 | 0.64 | 0.84 | 1 |
| EL804053888 | SR | 63,486 | 0.55 | 0.37 | 0 |
| EL800249600 | SR | 63,486 | 0.85 | 0.47 | 0 |
| EL800257204 | SR | 63,486 | 0.83 | 0.43 | 0 |
| EL800240362 | SR | 63,486 | 0.78 | 0.52 | 0 |
| EL807276303 | SR | 63,486 | 0.87 | 0.49 | 0 |
| EL800250365 | SR | 63,486 | 0.72 | 0.40 | 0 |
| EL807277697 | SR | 63,486 | 0.74 | 0.50 | 0 |
| EL800257616 | SR | 63,486 | 0.83 | 0.43 | 0 |
| EL800250954 | SR | 63,486 | 0.81 | 0.47 | 0 |
| EL802979581 | SR | 63,486 | 0.55 | 0.43 | 0 |
| EL804336890 | SR | 63,486 | 0.60 | 0.48 | 0 |
| EL807275492 | SR | 63,486 | 0.81 | 0.49 | 0 |
| EL800466044 | SR | 63,486 | 0.80 | 0.53 | 0 |
| EL800570709 | SR | 63,486 | 0.81 | 0.52 | 0 |
| EL800566021 | SR | 63,486 | 0.82 | 0.49 | 0 |
| EL800478450 | SR | 63,486 | 0.90 | 0.54 | 0 |
| EL800560218 | SR | 63,486 | 0.66 | 0.46 | 0 |
| EL800567570 | SR | 63,486 | 0.77 | 0.59 | 0 |
| EL800432086 | SR | 63,486 | 0.64 | 0.22 | 0 |
| EL804336978 | SR | 63,486 | 0.79 | 0.60 | 1 |
| EL800462714 | SR | 63,486 | 0.81 | 0.41 | 0 |
| EL800258159 | SR | 63,486 | 0.56 | 0.34 | 0 |
| EL800361479 | SR | 63,486 | 0.79 | 0.54 | 0 |
| EL800562653 | SR | 63,486 | 0.74 | 0.59 | 0 |
| EL800558814 | SR | 63,486 | 0.71 | 0.35 | 0 |
| EL800625013 | SR | 63,486 | 0.67 | 0.51 | 0 |
| EL800251724 | SR | 63,486 | 0.88 | 0.48 | 0 |
| EL807250794 | SR | 63,486 | 0.75 | 0.52 | 0 |

Table I-8. Item-Level Classical Test Theory Statistics—Mathematics Grade 3

| Item | | N | Difficulty | Discrimination | Percent Omitted (%) |
|-------------|------|--------|------------|----------------|---------------------|
| Number | Type | | | | |
| MA735851787 | CR | 26,250 | 0.25 | 0.75 | 1 |
| MA297399A | CR | 26,091 | 0.46 | 0.79 | 1 |
| MA261859A | CR | 26,250 | 0.52 | 0.77 | 1 |
| MA286750A | CR | 26,091 | 0.44 | 0.77 | 1 |
| MA309747 | SA | 26,250 | 0.46 | 0.68 | 1 |
| MA714453A | SA | 26,250 | 0.78 | 0.47 | 0 |
| MA735765953 | SA | 26,091 | 0.53 | 0.62 | 2 |
| MA736066577 | SA | 26,250 | 0.39 | 0.60 | 0 |
| MA293509 | SA | 26,250 | 0.39 | 0.64 | 0 |
| MA713507891 | SA | 26,091 | 0.65 | 0.50 | 0 |
| MA735657470 | SA | 26,250 | 0.61 | 0.39 | 0 |
| MA703072628 | SA | 26,091 | 0.26 | 0.40 | 1 |
| MA735763771 | SA | 26,250 | 0.43 | 0.63 | 1 |
| MA218578A | SA | 26,250 | 0.31 | 0.50 | 0 |
| MA297454 | SR | 26,250 | 0.65 | 0.56 | 0 |
| MA306285 | SR | 26,091 | 0.44 | 0.47 | 0 |
| MA287674 | SR | 26,091 | 0.71 | 0.35 | 0 |
| MA734752934 | SR | 26,091 | 0.42 | 0.48 | 0 |
| MA310859 | SR | 26,091 | 0.50 | 0.59 | 0 |
| MA299999 | SR | 26,250 | 0.71 | 0.60 | 0 |
| MA261818 | SR | 26,091 | 0.55 | 0.50 | 0 |
| MA306369 | SR | 26,091 | 0.36 | 0.41 | 0 |

continued



| Item | | Type | N | Difficulty | Discrimination | Percent Omitted (%) |
|-------------|--|------|--------|------------|----------------|---------------------|
| Number | | | | | | |
| MA735734045 | | SR | 26,091 | 0.47 | 0.67 | 3 |
| MA293494 | | SR | 26,091 | 0.73 | 0.59 | 0 |
| MA735847023 | | SR | 26,091 | 0.46 | 0.57 | 0 |
| MA285973A | | SR | 26,091 | 0.73 | 0.55 | 0 |
| MA735663821 | | SR | 26,250 | 0.37 | 0.58 | 0 |
| MA735664932 | | SR | 26,091 | 0.44 | 0.40 | 2 |
| MA735765953 | | SR | 26,091 | 0.53 | 0.62 | 2 |
| MA802236949 | | SR | 26,250 | 0.18 | 0.35 | 1 |
| MA713536927 | | SR | 26,091 | 0.61 | 0.52 | 1 |
| MA714453A | | SR | 26,250 | 0.78 | 0.47 | 0 |
| MA703072628 | | SR | 26,091 | 0.26 | 0.40 | 1 |
| MA736066577 | | SR | 26,250 | 0.39 | 0.60 | 0 |
| MA802238054 | | SR | 26,091 | 0.39 | 0.50 | 3 |
| MA218578A | | SR | 26,250 | 0.31 | 0.50 | 0 |
| MA735954511 | | SR | 26,250 | 0.39 | 0.64 | 1 |
| MA735655717 | | SR | 26,250 | 0.67 | 0.53 | 0 |
| MA310880 | | SR | 26,091 | 0.37 | 0.32 | 0 |
| MA311276 | | SR | 26,250 | 0.66 | 0.47 | 0 |
| MA252337 | | SR | 26,250 | 0.77 | 0.51 | 0 |
| MA735763771 | | SR | 26,250 | 0.43 | 0.63 | 1 |
| MA309747 | | SR | 26,250 | 0.46 | 0.68 | 1 |
| MA303412 | | SR | 26,250 | 0.37 | 0.25 | 0 |
| MA306313 | | SR | 26,250 | 0.48 | 0.27 | 0 |
| MA311275 | | SR | 26,250 | 0.53 | 0.49 | 0 |
| MA306297 | | SR | 26,091 | 0.39 | 0.57 | 0 |

Table I-9. Item-Level Classical Test Theory Statistics—Mathematics Grade 4

| Item | | N | Difficulty | Discrimination | Percent Omitted (%) |
|-------------|------|--------|------------|----------------|---------------------|
| Number | Type | | | | |
| MA801035466 | CR | 26,721 | 0.43 | 0.78 | 1 |
| MA716535935 | CR | 26,493 | 0.31 | 0.73 | 0 |
| MA287484 | CR | 26,493 | 0.57 | 0.76 | 0 |
| MA800780932 | CR | 26,721 | 0.57 | 0.81 | 0 |
| MA221898 | SA | 26,493 | 0.54 | 0.57 | 0 |
| MA800629956 | SA | 26,721 | 0.20 | 0.36 | 0 |
| MA302483 | SA | 26,493 | 0.26 | 0.52 | 1 |
| MA311568 | SA | 26,721 | 0.52 | 0.57 | 1 |
| MA704649496 | SA | 26,721 | 0.70 | 0.53 | 0 |
| MA303317 | SA | 26,721 | 0.38 | 0.57 | 1 |
| MA803730594 | SA | 26,721 | 0.18 | 0.49 | 0 |
| MA800763292 | SA | 26,721 | 0.41 | 0.65 | 1 |
| MA299681 | SA | 26,493 | 0.46 | 0.56 | 0 |
| MA800727128 | SA | 26,721 | 0.46 | 0.56 | 0 |
| MA736379417 | SA | 26,721 | 0.66 | 0.62 | 1 |
| MA803956738 | SA | 26,493 | 0.54 | 0.62 | 0 |
| MA714226701 | SA | 26,493 | 0.58 | 0.74 | 0 |
| MA803746135 | SA | 26,493 | 0.56 | 0.63 | 1 |
| MA311568 | SR | 26,721 | 0.52 | 0.57 | 1 |
| MA800577964 | SR | 26,721 | 0.70 | 0.66 | 1 |
| MA736381196 | SR | 26,721 | 0.43 | 0.65 | 2 |
| MA311558 | SR | 26,721 | 0.70 | 0.43 | 0 |
| MA297973 | SR | 26,721 | 0.81 | 0.40 | 0 |
| MA247729 | SR | 26,493 | 0.42 | 0.61 | 0 |
| MA307079 | SR | 26,721 | 0.92 | 0.36 | 0 |
| MA713631637 | SR | 26,721 | 0.51 | 0.74 | 1 |
| MA311554 | SR | 26,493 | 0.62 | 0.46 | 0 |
| MA704649496 | SR | 26,721 | 0.70 | 0.53 | 0 |
| MA303321 | SR | 26,493 | 0.59 | 0.65 | 0 |

continued

| Item Number | Type | N | Difficulty | Discrimination | Percent Omitted (%) |
|-------------|------|--------|------------|----------------|---------------------|
| MA803746135 | SR | 26,493 | 0.56 | 0.63 | 1 |
| MA800727128 | SR | 26,721 | 0.46 | 0.56 | 0 |
| MA803846674 | SR | 26,493 | 0.76 | 0.53 | 1 |
| MA306940 | SR | 26,721 | 0.33 | 0.45 | 0 |
| MA311574 | SR | 26,493 | 0.63 | 0.52 | 1 |
| MA736459765 | SR | 26,493 | 0.24 | 0.48 | 0 |
| MA800763292 | SR | 26,721 | 0.41 | 0.65 | 1 |
| MA800661015 | SR | 26,493 | 0.70 | 0.49 | 1 |
| MA306993 | SR | 26,493 | 0.46 | 0.52 | 0 |
| MA311543 | SR | 26,493 | 0.58 | 0.50 | 0 |
| MA803742735 | SR | 26,493 | 0.52 | 0.51 | 0 |
| MA713673616 | SR | 26,493 | 0.33 | 0.57 | 0 |
| MA229063 | SR | 26,721 | 0.46 | 0.64 | 2 |
| MA800628900 | SR | 26,721 | 0.31 | 0.50 | 1 |
| MA803956738 | SR | 26,493 | 0.54 | 0.62 | 0 |
| MA713629341 | SR | 26,493 | 0.27 | 0.52 | 0 |
| MA800629956 | SR | 26,721 | 0.20 | 0.36 | 0 |
| MA270627 | SR | 26,721 | 0.71 | 0.52 | 0 |

Table I-10. Item-Level Classical Test Theory Statistics—Mathematics Grade 5

| Item Number | Type | N | Difficulty | Discrimination | Percent Omitted (%) |
|-------------|------|--------|------------|----------------|---------------------|
| MA624377498 | CR | 26,773 | 0.44 | 0.79 | 1 |
| MA624359515 | CR | 26,469 | 0.56 | 0.79 | 1 |
| MA704359650 | CR | 26,773 | 0.46 | 0.78 | 1 |
| MA624376704 | CR | 26,469 | 0.30 | 0.74 | 1 |
| MA802284503 | SA | 26,469 | 0.37 | 0.59 | 0 |
| MA221208 | SA | 26,469 | 0.49 | 0.54 | 0 |
| MA804579588 | SA | 26,469 | 0.56 | 0.54 | 0 |
| MA704359410 | SA | 26,469 | 0.45 | 0.72 | 1 |
| MA800662477 | SA | 26,773 | 0.26 | 0.48 | 0 |
| MA301605 | SA | 26,773 | 0.79 | 0.48 | 0 |
| MA715102381 | SA | 26,469 | 0.60 | 0.51 | 0 |
| MA802285965 | SA | 26,773 | 0.26 | 0.58 | 0 |
| MA306456 | SA | 26,773 | 0.75 | 0.51 | 0 |
| MA715102137 | SA | 26,469 | 0.41 | 0.62 | 0 |
| MA802381243 | SR | 26,773 | 0.23 | 0.50 | 0 |
| MA311279 | SR | 26,773 | 0.58 | 0.57 | 0 |
| MA800652607 | SR | 26,773 | 0.44 | 0.56 | 1 |
| MA715102381 | SR | 26,469 | 0.60 | 0.51 | 0 |
| MA704359410 | SR | 26,469 | 0.45 | 0.72 | 1 |
| MA262140 | SR | 26,469 | 0.69 | 0.49 | 0 |
| MA800650803 | SR | 26,469 | 0.34 | 0.39 | 0 |
| MA801763240 | SR | 26,469 | 0.21 | 0.43 | 0 |
| MA808834267 | SR | 26,469 | 0.24 | 0.43 | 1 |
| MA298021 | SR | 26,773 | 0.64 | 0.62 | 0 |
| MA280476 | SR | 26,469 | 0.69 | 0.58 | 0 |
| MA802306160 | SR | 26,773 | 0.56 | 0.59 | 0 |
| MA803876799 | SR | 26,469 | 0.66 | 0.37 | 0 |
| MA306435 | SR | 26,773 | 0.47 | 0.34 | 0 |
| MA297992 | SR | 26,773 | 0.59 | 0.47 | 0 |
| MA801656092 | SR | 26,469 | 0.36 | 0.56 | 2 |
| MA802284503 | SR | 26,469 | 0.37 | 0.59 | 0 |
| MA273791 | SR | 26,773 | 0.72 | 0.55 | 0 |
| MA803875524 | SR | 26,469 | 0.59 | 0.43 | 0 |
| MA311339A | SR | 26,469 | 0.39 | 0.25 | 0 |
| MA204869 | SR | 26,469 | 0.64 | 0.51 | 0 |

continued



| Item Number | Type | N | Difficulty | Discrimination | Percent Omitted (%) |
|-------------|------|--------|------------|----------------|---------------------|
| MA301157 | SR | 26,773 | 0.59 | 0.35 | 0 |
| MA802282875 | SR | 26,773 | 0.34 | 0.58 | 0 |
| MA248869 | SR | 26,773 | 0.38 | 0.44 | 0 |
| MA221208 | SR | 26,469 | 0.49 | 0.54 | 0 |
| MA301160 | SR | 26,773 | 0.32 | 0.37 | 0 |
| MA301167 | SR | 26,469 | 0.31 | 0.28 | 0 |
| MA261200 | SR | 26,773 | 0.49 | 0.32 | 0 |
| MA303315 | SR | 26,773 | 0.67 | 0.53 | 0 |
| MA802285965 | SR | 26,773 | 0.26 | 0.58 | 0 |
| MA301169 | SR | 26,469 | 0.33 | 0.46 | 0 |

Table I-11. Item-Level Classical Test Theory Statistics—Mathematics Grade 6

| Item Number | Type | N | Difficulty | Discrimination | Percent Omitted (%) |
|-------------|------|--------|------------|----------------|---------------------|
| MA713831396 | CR | 26,513 | 0.38 | 0.79 | 1 |
| MA311694 | CR | 26,513 | 0.55 | 0.77 | 1 |
| MA713830373 | CR | 26,292 | 0.56 | 0.80 | 1 |
| MA703249688 | CR | 26,292 | 0.40 | 0.79 | 1 |
| MA735778671 | SA | 26,513 | 0.49 | 0.56 | 1 |
| MA805283567 | SA | 26,513 | 0.36 | 0.53 | 0 |
| MA299673 | SA | 26,513 | 0.56 | 0.59 | 0 |
| MA311708 | SA | 26,292 | 0.19 | 0.58 | 0 |
| MA736449649 | SA | 26,513 | 0.22 | 0.60 | 1 |
| MA800180478 | SA | 26,292 | 0.47 | 0.55 | 0 |
| MA800173241 | SA | 26,513 | 0.51 | 0.51 | 1 |
| MA624254582 | SA | 26,292 | 0.36 | 0.55 | 0 |
| MA736370121 | SA | 26,292 | 0.41 | 0.56 | 0 |
| MA805186387 | SA | 26,513 | 0.24 | 0.65 | 0 |
| MA736069855 | SR | 26,513 | 0.54 | 0.52 | 0 |
| MA311652 | SR | 26,513 | 0.40 | 0.51 | 0 |
| MA800440516 | SR | 26,292 | 0.73 | 0.54 | 0 |
| MA736063629 | SR | 26,513 | 0.37 | 0.54 | 1 |
| MA800171425 | SR | 26,513 | 0.40 | 0.47 | 0 |
| MA805280133 | SR | 26,292 | 0.31 | 0.36 | 1 |
| MA301222 | SR | 26,513 | 0.42 | 0.41 | 0 |
| MA805283567 | SR | 26,513 | 0.36 | 0.53 | 0 |
| MA800166010 | SR | 26,513 | 0.57 | 0.38 | 0 |
| MA282262 | SR | 26,513 | 0.57 | 0.63 | 0 |
| MA736368137 | SR | 26,513 | 0.60 | 0.58 | 0 |
| MA800173241 | SR | 26,513 | 0.51 | 0.51 | 1 |
| MA296350 | SR | 26,513 | 0.41 | 0.54 | 0 |
| MA307225 | SR | 26,513 | 0.89 | 0.34 | 0 |
| MA311660 | SR | 26,292 | 0.39 | 0.41 | 0 |
| MA307272 | SR | 26,292 | 0.79 | 0.25 | 0 |
| MA736364876 | SR | 26,513 | 0.37 | 0.51 | 1 |
| MA714275582 | SR | 26,292 | 0.39 | 0.42 | 1 |
| MA805179243 | SR | 26,513 | 0.31 | 0.32 | 1 |
| MA800160765 | SR | 26,292 | 0.21 | 0.54 | 1 |
| MA736071864 | SR | 26,292 | 0.68 | 0.45 | 0 |
| MA800162299 | SR | 26,292 | 0.37 | 0.40 | 0 |
| MA800180478 | SR | 26,292 | 0.47 | 0.55 | 0 |
| MA272172 | SR | 26,292 | 0.60 | 0.53 | 0 |
| MA703149889 | SR | 26,292 | 0.62 | 0.50 | 1 |
| MA736370121 | SR | 26,292 | 0.41 | 0.56 | 0 |
| MA736449649 | SR | 26,513 | 0.22 | 0.60 | 1 |
| MA805109765 | SR | 26,292 | 0.35 | 0.39 | 1 |
| MA713679240 | SR | 26,292 | 0.51 | 0.65 | 0 |
| MA805100264 | SR | 26,292 | 0.11 | 0.35 | 0 |
| MA805111931 | SR | 26,292 | 0.25 | 0.37 | 0 |

Table I-12. Item-Level Classical Test Theory Statistics—Mathematics Grade 7

| Item Number | Type | N | Difficulty | Discrimination | Percent Omitted (%) |
|-------------|------|--------|------------|----------------|---------------------|
| MA295758 | CR | 26,166 | 0.45 | 0.80 | 1 |
| MA311144 | CR | 26,430 | 0.38 | 0.78 | 2 |
| MA804701799 | CR | 26,430 | 0.31 | 0.78 | 2 |
| MA295745 | CR | 26,166 | 0.20 | 0.73 | 3 |
| MA290543 | SA | 26,166 | 0.62 | 0.52 | 0 |
| MA713848308 | SA | 26,166 | 0.23 | 0.66 | 0 |
| MA703876323 | SA | 26,430 | 0.23 | 0.68 | 1 |
| MA804636572 | SA | 26,430 | 0.49 | 0.62 | 0 |
| MA804635424 | SA | 26,166 | 0.24 | 0.56 | 0 |
| MA713848011 | SA | 26,430 | 0.54 | 0.62 | 1 |
| MA804683024 | SA | 26,430 | 0.44 | 0.61 | 0 |
| MA802884644 | SA | 26,166 | 0.33 | 0.48 | 0 |
| MA713848115 | SA | 26,430 | 0.22 | 0.60 | 0 |
| MA228065 | SA | 26,430 | 0.63 | 0.61 | 0 |
| MA703881868 | SA | 26,166 | 0.55 | 0.71 | 0 |
| MA306646 | SA | 26,166 | 0.45 | 0.66 | 0 |
| MA239637 | SA | 26,430 | 0.74 | 0.50 | 0 |
| MA298205 | SA | 26,430 | 0.24 | 0.63 | 1 |
| MA311105 | SA | 26,166 | 0.27 | 0.61 | 1 |
| MA703881868 | SR | 26,166 | 0.55 | 0.71 | 0 |
| MA311089 | SR | 26,166 | 0.27 | 0.39 | 0 |
| MA713848251 | SR | 26,166 | 0.40 | 0.44 | 0 |
| MA289832 | SR | 26,430 | 0.55 | 0.55 | 0 |
| MA713847883 | SR | 26,430 | 0.52 | 0.65 | 0 |
| MA272445 | SR | 26,430 | 0.44 | 0.65 | 0 |
| MA306636 | SR | 26,430 | 0.39 | 0.46 | 0 |
| MA303692 | SR | 26,166 | 0.38 | 0.30 | 0 |
| MA713848011 | SR | 26,430 | 0.54 | 0.62 | 1 |
| MA804442802 | SR | 26,430 | 0.40 | 0.34 | 0 |
| MA306486 | SR | 26,430 | 0.68 | 0.59 | 0 |
| MA804683024 | SR | 26,430 | 0.44 | 0.61 | 0 |
| MA713848322 | SR | 26,166 | 0.20 | 0.43 | 0 |
| MA306596 | SR | 26,166 | 0.45 | 0.40 | 0 |
| MA802884644 | SR | 26,166 | 0.33 | 0.48 | 0 |
| MA713848115 | SR | 26,430 | 0.22 | 0.60 | 0 |
| MA259191 | SR | 26,430 | 0.77 | 0.54 | 0 |
| MA713848086 | SR | 26,166 | 0.24 | 0.60 | 0 |
| MA298180 | SR | 26,166 | 0.77 | 0.36 | 0 |
| MA272464 | SR | 26,166 | 0.57 | 0.53 | 0 |
| MA272764 | SR | 26,166 | 0.57 | 0.31 | 0 |
| MA228065 | SR | 26,430 | 0.63 | 0.61 | 0 |
| MA235431 | SR | 26,166 | 0.30 | 0.54 | 0 |
| MA713848308 | SR | 26,166 | 0.23 | 0.66 | 0 |
| MA703876323 | SR | 26,430 | 0.23 | 0.68 | 1 |
| MA303731 | SR | 26,166 | 0.35 | 0.48 | 0 |
| MA306615 | SR | 26,430 | 0.47 | 0.51 | 0 |
| MA282219 | SR | 26,430 | 0.56 | 0.54 | 0 |
| MA306614 | SR | 26,430 | 0.56 | 0.43 | 0 |
| MA290543 | SR | 26,166 | 0.62 | 0.52 | 0 |

Table I-13. Item-Level Classical Test Theory Statistics—Mathematics Grade 8

| Item Number | Type | N | Difficulty | Discrimination | Percent Omitted (%) |
|-------------|------|--------|------------|----------------|---------------------|
| MA704855478 | CR | 26,263 | 0.33 | 0.79 | 2 |
| MA713930945 | CR | 26,111 | 0.56 | 0.76 | 0 |
| MA311437 | CR | 26,111 | 0.37 | 0.77 | 2 |
| MA301714 | CR | 26,263 | 0.34 | 0.86 | 3 |
| MA800754030 | SA | 26,111 | 0.59 | 0.66 | 1 |
| MA800475610 | SA | 26,263 | 0.33 | 0.56 | 1 |
| MA715919853 | SA | 26,111 | 0.45 | 0.65 | 0 |
| MA804543815 | SA | 26,111 | 0.44 | 0.63 | 0 |
| MA715919745 | SA | 26,111 | 0.61 | 0.61 | 0 |
| MA804152353 | SA | 26,263 | 0.56 | 0.62 | 0 |
| MA800744715 | SA | 26,111 | 0.22 | 0.62 | 1 |
| MA800675775 | SA | 26,111 | 0.24 | 0.52 | 0 |
| MA228379 | SA | 26,263 | 0.82 | 0.43 | 0 |
| MA715919560 | SA | 26,263 | 0.22 | 0.57 | 1 |
| MA311403 | SA | 26,263 | 0.33 | 0.63 | 0 |
| MA307425 | SA | 26,263 | 0.25 | 0.66 | 1 |
| MA297651 | SA | 26,111 | 0.50 | 0.57 | 0 |
| MA704832888 | SA | 26,263 | 0.30 | 0.64 | 1 |
| MA800475061 | SA | 26,263 | 0.42 | 0.61 | 0 |
| MA307585 | SR | 26,111 | 0.71 | 0.52 | 0 |
| MA800475061 | SR | 26,263 | 0.42 | 0.61 | 0 |
| MA301470 | SR | 26,263 | 0.57 | 0.44 | 0 |
| MA804152353 | SR | 26,263 | 0.56 | 0.62 | 0 |
| MA800475590 | SR | 26,111 | 0.82 | 0.39 | 0 |
| MA804576324 | SR | 26,111 | 0.52 | 0.49 | 0 |
| MA283255 | SR | 26,263 | 0.61 | 0.52 | 0 |
| MA715919560 | SR | 26,263 | 0.22 | 0.57 | 1 |
| MA298198 | SR | 26,263 | 0.35 | 0.40 | 0 |
| MA715919758 | SR | 26,111 | 0.48 | 0.35 | 0 |
| MA229570 | SR | 26,111 | 0.46 | 0.49 | 0 |
| MA804543815 | SR | 26,111 | 0.44 | 0.63 | 0 |
| MA284198 | SR | 26,111 | 0.67 | 0.47 | 0 |
| MA307603 | SR | 26,263 | 0.73 | 0.52 | 0 |
| MA800754030 | SR | 26,111 | 0.59 | 0.66 | 1 |
| MA307539 | SR | 26,111 | 0.41 | 0.40 | 0 |
| MA287597 | SR | 26,111 | 0.51 | 0.45 | 0 |
| MA804155665 | SR | 26,263 | 0.33 | 0.53 | 0 |
| MA311422 | SR | 26,263 | 0.57 | 0.53 | 0 |
| MA704833231 | SR | 26,263 | 0.30 | 0.41 | 0 |
| MA311427 | SR | 26,263 | 0.62 | 0.50 | 0 |
| MA715919853 | SR | 26,111 | 0.45 | 0.65 | 0 |
| MA704832888 | SR | 26,263 | 0.30 | 0.64 | 1 |
| MA800974248 | SR | 26,111 | 0.31 | 0.60 | 0 |
| MA304463 | SR | 26,263 | 0.29 | 0.21 | 0 |
| MA800475640 | SR | 26,111 | 0.78 | 0.37 | 0 |
| MA252991 | SR | 26,263 | 0.71 | 0.32 | 0 |
| MA804535094 | SR | 26,111 | 0.36 | 0.61 | 0 |
| MA715919745 | SR | 26,111 | 0.61 | 0.61 | 0 |
| MA800475610 | SR | 26,263 | 0.33 | 0.56 | 1 |
| MA800744715 | SR | 26,111 | 0.22 | 0.62 | 1 |

Table I-14. Item-Level Classical Test Theory Statistics—Mathematics Grade 10

| Item Number | Type | N | Difficulty | Discrimination | Percent Omitted (%) |
|----------------|------|-------|------------|----------------|------------------------|
| MA801462169 | CR | 63197 | 0.47 | 0.78 | 2 |
| MA301486 | CR | 63197 | 0.48 | 0.83 | 2 |
| MA306482 | CR | 63197 | 0.42 | 0.86 | 3 |
| MA311164 | CR | 63197 | 0.37 | 0.83 | 3 |
| MA805375756 | SA | 63197 | 0.63 | 0.48 | 0 |
| MA713284889 | SA | 63197 | 0.36 | 0.76 | 2 |
| MA804378663 | SA | 63197 | 0.65 | 0.65 | 1 |
| MA713808063 | SA | 63197 | 0.67 | 0.49 | 0 |
| MA713582168 | SA | 63197 | 0.25 | 0.64 | 0 |
| MA713284889 | SR | 63197 | 0.36 | 0.76 | 2 |
| MA288073 | SR | 63197 | 0.69 | 0.39 | 0 |
| MA713582515 | SR | 63197 | 0.65 | 0.63 | 0 |
| MA713374659 | SR | 63197 | 0.5 | 0.33 | 0 |
| MA315724 | SR | 63197 | 0.53 | 0.35 | 0 |
| MA308748 | SR | 63197 | 0.55 | 0.41 | 0 |
| MA271551 | SR | 63197 | 0.58 | 0.46 | 0 |
| MA713736418 | SR | 63197 | 0.5 | 0.63 | 0 |
| MA269065 | SR | 63197 | 0.5 | 0.52 | 0 |
| MA313794 | SR | 63197 | 0.57 | 0.48 | 0 |
| MA735579398 | SR | 63197 | 0.47 | 0.72 | 0 |
| MA735672697 | SR | 63197 | 0.59 | 0.64 | 1 |
| MA804167582 | SR | 63197 | 0.61 | 0.5 | 0 |
| MA313802 | SR | 63197 | 0.65 | 0.47 | 0 |
| MA294190 | SR | 63197 | 0.59 | 0.51 | 0 |
| MA736046677 | SR | 63197 | 0.36 | 0.54 | 0 |
| MA805375756 | SR | 63197 | 0.63 | 0.48 | 0 |
| MA307950 | SR | 63197 | 0.64 | 0.33 | 0 |
| MA311181 | SR | 63197 | 0.47 | 0.41 | 0 |
| MA315735 | SR | 63197 | 0.81 | 0.38 | 0 |
| MA274103 | SR | 63197 | 0.53 | 0.65 | 0 |
| MA315690 | SR | 63197 | 0.6 | 0.38 | 0 |
| MA801044495 | SR | 63197 | 0.51 | 0.56 | 0 |
| MA735977246 | SR | 63197 | 0.56 | 0.67 | 0 |
| MA718054087 | SR | 63197 | 0.61 | 0.56 | 0 |
| MA314963 | SR | 63197 | 0.68 | 0.53 | 0 |
| MA311217 | SR | 63197 | 0.53 | 0.54 | 0 |
| MA717850352 | SR | 63197 | 0.61 | 0.58 | 0 |
| MA281663 | SR | 63197 | 0.62 | 0.41 | 0 |
| MA315410 | SR | 63197 | 0.52 | 0.41 | 0 |
| MA300986 | SR | 63197 | 0.6 | 0.61 | 0 |
| MA713582168 | SR | 63197 | 0.25 | 0.64 | 0 |
| MA306580 | SR | 63197 | 0.63 | 0.47 | 0 |
| MA735576321 | SR | 63197 | 0.64 | 0.47 | 1 |
| MA303447 | SR | 63197 | 0.34 | 0.18 | 0 |
| MA713845687 | SR | 63197 | 0.5 | 0.41 | 0 |
| MA804378663 | SR | 63197 | 0.65 | 0.65 | 1 |

Table I-15. Item-Level Classical Test Theory Statistics—STE Grade 5

| Item Number | Type | N | Difficulty | Discrimination | Percent Omitted (%) |
|----------------|------|--------|------------|----------------|------------------------|
| SC315791 | CR | 26,286 | 0.45 | 0.66 | 1 |
| SC310001 | CR | 26,190 | 0.52 | 0.66 | 1 |
| SC815582307 | CR | 26,856 | 0.48 | 0.63 | 0 |
| SC804958319 | CR | 26,190 | 0.40 | 0.60 | 1 |
| SC630226702 | CR | 26,952 | 0.35 | 0.61 | 1 |
| SC315804 | CR | 26,952 | 0.27 | 0.68 | 1 |
| SC736171343 | SR | 26,856 | 0.76 | 0.58 | 0 |
| SC803832570 | SR | 26,856 | 0.66 | 0.49 | 0 |
| SC309746 | SR | 26,286 | 0.68 | 0.37 | 0 |
| SC814159782 | SR | 26,952 | 0.77 | 0.55 | 0 |
| SC806381763 | SR | 26,190 | 0.33 | 0.30 | 0 |
| SC629641756 | SR | 26,190 | 0.46 | 0.26 | 0 |
| SC315952 | SR | 26,856 | 0.62 | 0.45 | 0 |
| SC815544154 | SR | 26,856 | 0.70 | 0.48 | 0 |
| SC629859053 | SR | 26,856 | 0.32 | 0.40 | 0 |
| SC630226369 | SR | 26,856 | 0.76 | 0.49 | 0 |
| SC814668478 | SR | 26,952 | 0.73 | 0.53 | 0 |
| SC717726918 | SR | 26,856 | 0.52 | 0.57 | 0 |
| SC815573979 | SR | 26,856 | 0.52 | 0.34 | 0 |
| SC735434845 | SR | 26,856 | 0.60 | 0.40 | 0 |
| SC315801 | SR | 26,952 | 0.63 | 0.40 | 0 |
| SC804038252 | SR | 26,952 | 0.45 | 0.30 | 0 |
| SC710846043 | SR | 26,856 | 0.61 | 0.59 | 0 |
| SC315799 | SR | 26,952 | 0.66 | 0.57 | 0 |
| SC315784 | SR | 26,952 | 0.72 | 0.46 | 0 |
| SC814675449 | SR | 26,952 | 0.69 | 0.61 | 0 |
| SC630070423 | SR | 26,856 | 0.67 | 0.42 | 0 |
| SC736232773 | SR | 26,952 | 0.81 | 0.42 | 0 |
| SC736173851 | SR | 26,952 | 0.59 | 0.49 | 0 |
| SC633242830 | SR | 26,952 | 0.67 | 0.42 | 0 |
| SC815459442 | SR | 26,952 | 0.79 | 0.40 | 0 |
| SC815568663 | SR | 26,856 | 0.49 | 0.56 | 1 |
| SC736170570 | SR | 26,856 | 0.62 | 0.50 | 0 |
| SC629849945 | SR | 26,952 | 0.44 | 0.32 | 0 |
| SC736074336 | SR | 26,952 | 0.43 | 0.38 | 0 |
| SC291220 | SR | 26,286 | 0.62 | 0.34 | 0 |
| SC291182 | SR | 26,286 | 0.34 | 0.23 | 0 |
| SC815577223 | SR | 26,856 | 0.40 | 0.28 | 0 |
| SC315798 | SR | 26,952 | 0.72 | 0.54 | 0 |
| SC309963 | SR | 26,856 | 0.49 | 0.40 | 0 |
| SC735433920 | SR | 26,952 | 0.47 | 0.43 | 0 |

Table I-16. Item-Level Classical Test Theory Statistics—STE Grade 8

| Item Number | Type | N | Difficulty | Discrimination | Percent Omitted (%) |
|----------------|------|--------|------------|----------------|------------------------|
| SC719258218 | CR | 26,431 | 0.26 | 0.64 | 2 |
| SC810864808 | CR | 25,646 | 0.36 | 0.68 | 2 |
| SC719857887 | CR | 26,470 | 0.42 | 0.72 | 1 |
| SC292029 | CR | 25,607 | 0.27 | 0.64 | 2 |
| SC804368074 | CR | 26,431 | 0.48 | 0.63 | 1 |
| SC809268358 | CR | 25,646 | 0.30 | 0.52 | 1 |
| SC717183001 | SR | 26,470 | 0.76 | 0.48 | 0 |
| SC291724 | SR | 25,646 | 0.59 | 0.31 | 0 |
| SC803557417 | SR | 26,470 | 0.66 | 0.53 | 0 |
| SC630764722 | SR | 25,607 | 0.53 | 0.32 | 0 |
| SC719857291 | SR | 26,470 | 0.74 | 0.51 | 0 |
| SC804375322 | SR | 26,431 | 0.35 | 0.30 | 0 |
| SC229371 | SR | 26,470 | 0.71 | 0.39 | 0 |
| SC299484 | SR | 26,470 | 0.66 | 0.40 | 0 |
| SC633360994 | SR | 26,431 | 0.46 | 0.38 | 0 |
| SC628463599 | SR | 26,431 | 0.81 | 0.42 | 0 |
| SC707532836 | SR | 26,470 | 0.30 | 0.33 | 0 |
| SC291918 | SR | 25,646 | 0.37 | 0.25 | 0 |
| SC723656572 | SR | 26,431 | 0.77 | 0.47 | 0 |
| SC313186 | SR | 26,431 | 0.37 | 0.39 | 0 |
| SC719152661 | SR | 26,470 | 0.76 | 0.46 | 0 |
| SC723657934 | SR | 26,431 | 0.45 | 0.38 | 0 |
| SC804130460 | SR | 26,470 | 0.71 | 0.63 | 1 |
| SC804132105 | SR | 26,470 | 0.58 | 0.63 | 0 |
| SC815158796 | SR | 26,431 | 0.57 | 0.54 | 0 |
| SC803556783 | SR | 26,431 | 0.54 | 0.51 | 0 |
| SC265278 | SR | 25,607 | 0.45 | 0.36 | 0 |
| SC814970319 | SR | 26,470 | 0.62 | 0.52 | 0 |
| SC630736120 | SR | 26,431 | 0.84 | 0.43 | 0 |
| SC735480271 | SR | 26,431 | 0.26 | 0.37 | 0 |
| SC631668894 | SR | 26,470 | 0.38 | 0.35 | 0 |
| SC718826967 | SR | 26,431 | 0.57 | 0.40 | 0 |
| SC299436 | SR | 26,470 | 0.57 | 0.50 | 0 |
| SC294085 | SR | 26,431 | 0.82 | 0.49 | 0 |
| SC282034 | SR | 26,470 | 0.75 | 0.28 | 0 |
| SC291896 | SR | 26,431 | 0.48 | 0.48 | 0 |
| SC723657309 | SR | 26,431 | 0.29 | 0.38 | 0 |
| SC289719 | SR | 25,646 | 0.69 | 0.49 | 0 |
| SC803427566 | SR | 26,431 | 0.85 | 0.50 | 0 |
| SC631748218 | SR | 26,431 | 0.43 | 0.58 | 0 |
| SC816333719 | SR | 26,470 | 0.78 | 0.49 | 0 |

Table I-17. Item-Level Classical Test Theory Statistics—Alt/ELA

| Grade | Item Number | Type | N | Difficulty | Discrimination |
|-------|-------------|------|-----|------------|----------------|
| 3 | comp1 | OR | 820 | 0.59 | 0.29 |
| | comp2 | OR | 820 | 0.59 | 0.32 |
| | comp3 | OR | 820 | 0.58 | 0.32 |
| | ind1 | OR | 798 | 0.95 | 0.43 |
| | ind2 | OR | 741 | 0.95 | 0.41 |
| | ind3 | OR | 743 | 0.86 | 0.50 |
| | sk1 | OR | 798 | 0.98 | 0.26 |
| | sk2 | OR | 741 | 0.97 | 0.37 |
| | sk3 | OR | 743 | 0.47 | 0.47 |
| 4 | comp1 | OR | 778 | 0.59 | 0.35 |
| | comp2 | OR | 778 | 0.59 | 0.36 |
| | comp3 | OR | 778 | 0.58 | 0.37 |
| | ind1 | OR | 759 | 0.95 | 0.44 |
| | ind2 | OR | 708 | 0.94 | 0.48 |
| | ind3 | OR | 708 | 0.87 | 0.40 |
| | sk1 | OR | 759 | 0.97 | 0.37 |
| | sk2 | OR | 708 | 0.96 | 0.31 |
| | sk3 | OR | 708 | 0.51 | 0.48 |
| 5 | comp1 | OR | 758 | 0.59 | 0.25 |
| | comp2 | OR | 758 | 0.59 | 0.26 |
| | comp3 | OR | 758 | 0.58 | 0.33 |
| | ind1 | OR | 738 | 0.95 | 0.43 |
| | ind2 | OR | 698 | 0.94 | 0.43 |
| | ind3 | OR | 681 | 0.87 | 0.47 |
| | sk1 | OR | 738 | 0.97 | 0.22 |
| | sk2 | OR | 698 | 0.97 | 0.32 |
| | sk3 | OR | 681 | 0.53 | 0.55 |
| 6 | comp1 | OR | 751 | 0.59 | 0.33 |
| | comp2 | OR | 751 | 0.59 | 0.26 |
| | comp3 | OR | 751 | 0.59 | 0.31 |
| | ind1 | OR | 729 | 0.95 | 0.39 |
| | ind2 | OR | 685 | 0.94 | 0.44 |
| | ind3 | OR | 678 | 0.87 | 0.36 |
| | sk1 | OR | 729 | 0.97 | 0.26 |
| | sk2 | OR | 685 | 0.95 | 0.37 |
| | sk3 | OR | 678 | 0.53 | 0.43 |
| 7 | comp1 | OR | 745 | 0.59 | 0.33 |
| | comp2 | OR | 745 | 0.59 | 0.32 |
| | comp3 | OR | 745 | 0.58 | 0.35 |
| | ind1 | OR | 720 | 0.95 | 0.38 |
| | ind2 | OR | 666 | 0.94 | 0.49 |
| | ind3 | OR | 674 | 0.87 | 0.44 |
| | sk1 | OR | 720 | 0.96 | 0.34 |
| | sk2 | OR | 666 | 0.95 | 0.34 |
| | sk3 | OR | 674 | 0.53 | 0.51 |

continued



| Grade | Item | | N | Difficulty | Discrimination |
|-------|--------|------|-----|------------|----------------|
| | Number | Type | | | |
| 8 | comp1 | OR | 662 | 0.59 | 0.26 |
| | comp2 | OR | 662 | 0.60 | 0.23 |
| | comp3 | OR | 662 | 0.59 | 0.29 |
| | ind1 | OR | 634 | 0.96 | 0.39 |
| | ind2 | OR | 600 | 0.95 | 0.43 |
| | ind3 | OR | 604 | 0.89 | 0.33 |
| | sk1 | OR | 634 | 0.97 | 0.30 |
| | sk2 | OR | 600 | 0.97 | 0.29 |
| | sk3 | OR | 604 | 0.55 | 0.52 |
| 10 | comp1 | OR | 698 | 0.59 | 0.27 |
| | comp2 | OR | 698 | 0.59 | 0.21 |
| | comp3 | OR | 698 | 0.59 | 0.33 |
| | ind1 | OR | 688 | 0.95 | 0.38 |
| | ind2 | OR | 610 | 0.95 | 0.37 |
| | ind3 | OR | 592 | 0.88 | 0.47 |
| | sk1 | OR | 688 | 0.97 | 0.18 |
| | sk2 | OR | 610 | 0.96 | 0.28 |
| | sk3 | OR | 592 | 0.58 | 0.53 |

Table I-18. Item-Level Classical Test Theory Statistics—Alt/Mathematics

| Grade | Item | | N | Difficulty | Discrimination |
|-------|--------|------|-----|------------|----------------|
| | Number | Type | | | |
| 3 | comp1 | OR | 729 | 0.59 | 0.42 |
| | comp5 | OR | 729 | 0.59 | 0.49 |
| | ind1 | OR | 729 | 0.94 | 0.72 |
| | ind5 | OR | 729 | 0.95 | 0.69 |
| | sk1 | OR | 729 | 0.97 | 0.47 |
| | sk5 | OR | 729 | 0.98 | 0.55 |
| 4 | comp1 | OR | 715 | 0.58 | 0.61 |
| | comp3 | OR | 715 | 0.58 | 0.61 |
| | ind1 | OR | 715 | 0.93 | 0.74 |
| | ind3 | OR | 715 | 0.94 | 0.76 |
| | sk1 | OR | 715 | 0.97 | 0.51 |
| | sk3 | OR | 715 | 0.97 | 0.55 |
| 5 | comp2 | OR | 717 | 0.59 | 0.52 |
| | comp3 | OR | 717 | 0.59 | 0.51 |
| | ind2 | OR | 717 | 0.94 | 0.74 |
| | ind3 | OR | 717 | 0.95 | 0.72 |
| | sk2 | OR | 717 | 0.97 | 0.48 |
| | sk3 | OR | 717 | 0.97 | 0.50 |
| 6 | comp2 | OR | 708 | 0.59 | 0.56 |
| | comp5 | OR | 708 | 0.59 | 0.56 |
| | ind2 | OR | 708 | 0.94 | 0.72 |
| | ind5 | OR | 708 | 0.93 | 0.77 |
| | sk2 | OR | 708 | 0.97 | 0.51 |
| | sk5 | OR | 708 | 0.97 | 0.49 |
| 7 | comp1 | OR | 691 | 0.58 | 0.58 |
| | comp4 | OR | 691 | 0.59 | 0.58 |
| | ind1 | OR | 691 | 0.94 | 0.69 |
| | ind4 | OR | 691 | 0.94 | 0.69 |
| | sk1 | OR | 691 | 0.97 | 0.63 |
| | sk4 | OR | 691 | 0.96 | 0.60 |

continued



| Grade | Item | | N | Difficulty | Discrimination |
|-------|--------|------|-----|------------|----------------|
| | Number | Type | | | |
| 8 | comp2 | OR | 601 | 0.59 | 0.54 |
| | comp4 | OR | 601 | 0.60 | 0.48 |
| | ind2 | OR | 601 | 0.94 | 0.70 |
| | ind4 | OR | 601 | 0.96 | 0.69 |
| | sk2 | OR | 601 | 0.96 | 0.59 |
| | sk4 | OR | 601 | 0.97 | 0.62 |
| 10 | comp1 | OR | 162 | 0.60 | 0.22 |
| | comp2 | OR | 500 | 0.59 | 0.32 |
| | comp3 | OR | 443 | 0.59 | 0.24 |
| | comp4 | OR | 554 | 0.58 | 0.32 |
| | comp5 | OR | 397 | 0.59 | 0.35 |
| | ind1 | OR | 154 | 0.96 | 0.39 |
| | ind2 | OR | 487 | 0.95 | 0.51 |
| | ind3 | OR | 419 | 0.94 | 0.35 |
| | ind4 | OR | 522 | 0.94 | 0.44 |
| | ind5 | OR | 366 | 0.95 | 0.46 |
| | sk1 | OR | 154 | 0.98 | 0.27 |
| | sk2 | OR | 487 | 0.97 | 0.36 |
| | sk3 | OR | 419 | 0.96 | 0.52 |
| | sk4 | OR | 522 | 0.97 | 0.36 |
| | sk5 | OR | 366 | 0.97 | 0.38 |

Table I-19. Item-Level Classical Test Theory Statistics—Alt/STE

| Grade | Item | | N | Difficulty | Discrimination | |
|-------|--------|-------|-----|------------|----------------|------|
| | Number | Type | | | | |
| 5 | comp1 | OR | 635 | 0.58 | 0.40 | |
| | comp2 | OR | 643 | 0.58 | 0.43 | |
| | comp3 | OR | 642 | 0.57 | 0.42 | |
| | comp4 | OR | 40 | 0.56 | 0.50 | |
| | ind1 | OR | 613 | 0.86 | 0.58 | |
| | ind2 | OR | 613 | 0.86 | 0.63 | |
| | ind3 | OR | 612 | 0.85 | 0.61 | |
| | ind4 | OR | 38 | 0.82 | 0.21 | |
| | sk1 | OR | 613 | 0.97 | 0.21 | |
| | sk2 | OR | 613 | 0.98 | 0.25 | |
| | sk3 | OR | 612 | 0.98 | 0.28 | |
| | sk4 | OR | 38 | 0.97 | 0.32 | |
| | 8 | comp1 | OR | 542 | 0.59 | 0.35 |
| | | comp2 | OR | 553 | 0.59 | 0.32 |
| comp3 | | OR | 524 | 0.59 | 0.31 | |
| comp4 | | OR | 76 | 0.56 | 0.49 | |
| ind1 | | OR | 532 | 0.85 | 0.63 | |
| ind2 | | OR | 545 | 0.85 | 0.61 | |
| ind3 | | OR | 502 | 0.85 | 0.67 | |
| ind4 | | OR | 73 | 0.85 | 0.49 | |
| sk1 | | OR | 532 | 0.96 | 0.26 | |
| sk2 | | OR | 545 | 0.97 | 0.26 | |
| sk3 | | OR | 502 | 0.98 | 0.27 | |
| sk4 | | OR | 73 | 0.97 | 0.50 | |

Table I-20. Item-Level Classical Test Theory Statistics—Alt/Biology

| Grade | Item | | N | Difficulty | Discrimination |
|-------|--------|------|----|------------|----------------|
| | Number | Type | | | |
| HS | comp1 | OR | 44 | 0.59 | 0.10 |
| | comp2 | OR | 44 | 0.59 | 0.10 |
| | comp3 | OR | 44 | 0.59 | 0.10 |
| | ind1 | OR | 40 | 0.76 | 0.81 |
| | ind2 | OR | 44 | 0.76 | 0.73 |
| | ind3 | OR | 42 | 0.79 | 0.78 |
| | sk1 | OR | 40 | 0.98 | 0.22 |
| | sk2 | OR | 44 | 0.98 | 0.35 |
| | sk3 | OR | 42 | 0.96 | 0.03 |

Table I-21. Item-Level Classical Test Theory Statistics—Alt/Chemistry

| Grade | Item | | N | Difficulty | Discrimination |
|-------|--------|------|----|------------|----------------|
| | Number | Type | | | |
| HS | comp1 | OR | 12 | 0.60 | -- |
| | comp2 | OR | 12 | 0.60 | -- |
| | comp3 | OR | 12 | 0.60 | -- |
| | ind1 | OR | 12 | 0.94 | 0.67 |
| | ind2 | OR | 12 | 0.98 | 0.52 |
| | ind3 | OR | 12 | 0.96 | 0.77 |
| | sk1 | OR | 12 | 0.94 | 0.50 |
| | sk2 | OR | 12 | 0.96 | 0.58 |
| | sk3 | OR | 12 | 0.98 | 0.00 |

Discrimination statistics cannot be reported for some Alt/Chemistry items because the sample size of students was too small in 2021.

Table I-22. Item-Level Classical Test Theory Statistics—Alt/Introductory Physics

| Grade | Item | | N | Difficulty | Discrimination |
|-------|--------|------|---|------------|----------------|
| | Number | Type | | | |
| HS | comp1 | OR | 2 | -- | -- |
| | comp2 | OR | 2 | -- | -- |
| | comp3 | OR | 2 | -- | -- |
| | ind1 | OR | 2 | -- | -- |
| | ind2 | OR | 2 | -- | -- |
| | ind3 | OR | 2 | -- | -- |
| | sk1 | OR | 2 | -- | -- |
| | sk2 | OR | 2 | -- | -- |
| | sk3 | OR | 2 | -- | -- |

Difficulty and discrimination statistics cannot be reported for Alt/Introductory Physics because the sample size of students was too small in 2021.

Table I-23. Item-Level Classical Test Theory Statistics—Alt/TEC

| Grade | Item | | N | Difficulty | Discrimination |
|-------|--------|------|----|------------|----------------|
| | Number | Type | | | |
| HS | comp1 | OR | 33 | 0.59 | 0.16 |
| | comp2 | OR | 33 | 0.59 | 0.16 |
| | comp3 | OR | 33 | 0.58 | 0.29 |
| | ind1 | OR | 32 | 0.84 | 0.55 |
| | ind2 | OR | 33 | 0.85 | 0.82 |
| | ind3 | OR | 32 | 0.89 | 0.51 |
| | sk1 | OR | 32 | 0.91 | 0.52 |
| | sk2 | OR | 33 | 0.96 | 0.43 |
| | sk3 | OR | 32 | 0.90 | 0.47 |