

# Appendix F—ITEM-LEVEL CLASSICAL STATISTICS



**Table F-1. 2009–10 PAAP: Item-Level Classical Test Theory Statistics – Mathematics Grade 2**

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
A111LAC	0.87	0.71
A111LAS	0.93	0.67
A112LAC	0.80	0.74
A112LAS	0.89	0.65
A121LAC	0.92	0.00
A121LAS	0.99	0.08
A122LAC	0.93	0.26
A122LAS	0.99	0.21
A131LAC	0.91	0.03
A131LAS	0.96	0.18
A132LAC	0.83	-0.22
A132LAS	0.96	0.07
A141LAC		
A141LAS		
A142LAC		
A142LAS		
A511LAC	0.87	0.15
A511LAS	0.97	0.32
A512LAC	0.85	0.25
A512LAS	0.97	0.32
A521LAC	0.81	0.24
A521LAS	0.91	0.43
A522LAC	0.85	0.55
A522LAS	0.91	0.43
A531LAC	0.90	0.63
A531LAS	0.89	0.47
A532LAC	0.88	0.67
A532LAS	0.89	0.47
A541LAC		
A541LAS		
A542LAC		
A542LAS		
B311LAC	0.80	0.38
B311LAS	0.96	0.29
B312LAC	0.80	0.36
B312LAS	0.93	0.36
B321LAC	0.87	0.00
B321LAS	0.99	-0.20
B322LAC	0.85	0.09
B322LAS	0.99	-0.20
B331LAC	0.91	0.06
B331LAS	1.00	--
B332LAC	0.96	0.12
B332LAS	1.00	--
B341LAC	0.96	-0.17
B341LAS	0.96	-0.28
B342LAC	0.79	-0.07
B342LAS	0.88	-0.01
C111LAC	0.87	0.48
C111LAS	0.84	0.24

continued

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
C112LAC	0.87	0.55
C112LAS	0.88	0.52
C121LAC	0.87	-0.03
C121LAS	0.97	0.11
C122LAC	0.87	0.23
C122LAS	0.95	0.42
C131LAC	0.92	0.41
C131LAS	0.97	-0.18
C132LAC	0.95	0.39
C132LAS	0.95	0.24
C141LAC		
C141LAS		
C142LAC		
C142LAS		
D111LAC	1.00	--
D111LAS	0.96	0.43
D112LAC	0.95	0.14
D112LAS	0.83	0.42
D121LAC	0.96	0.20
D121LAS	0.93	0.18
D122LAC	0.97	-0.08
D122LAS	0.99	0.10
D131LAC		
D131LAS		
D132LAC		
D132LAS		
D141LAC		
D141LAS		
D142LAC		
D142LAS		

Note: Statistics are only presented for items that were taken by 10 or more students.

**Table F-2. 2009–10 PAAP: Item-Level Classical Test Theory Statistics – Mathematics Grade 3**

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
A111LAC	0.76	0.53
A111LAS	0.86	0.51
A112LAC	0.77	0.61
A112LAS	0.86	0.53
A121LAC	0.89	-0.08
A121LAS	0.96	0.35
A122LAC	0.90	0.03
A122LAS	0.97	0.34
A131LAC	0.92	0.00
A131LAS	1.00	--
A132LAC	0.80	0.09
A132LAS	0.95	0.22
A141LAC	0.95	-0.11
A141LAS	0.97	-0.09
A142LAC	0.88	-0.08
A142LAS	1.00	--
A511LAC	0.70	0.47

continued

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
A511LAS	0.84	0.39
A512LAC	0.73	0.55
A512LAS	0.76	0.49
A521LAC	0.75	0.44
A521LAS	0.88	0.54
A522LAC	0.77	0.40
A522LAS	0.88	0.54
A531LAC	0.90	0.18
A531LAS	0.97	0.02
A532LAC	0.95	-0.15
A532LAS	0.97	0.02
A541LAC	0.83	0.58
A541LAS	0.87	0.38
A542LAC	0.90	0.64
A542LAS	0.94	0.63
B311LAC	0.74	0.23
B311LAS	0.88	0.51
B312LAC	0.76	0.52
B312LAS	0.88	0.51
B321LAC	0.82	0.67
B321LAS	0.91	0.73
B322LAC	0.82	0.63
B322LAS	0.94	0.76
B331LAC	0.94	0.40
B331LAS	0.99	-0.36
B332LAC	0.95	0.13
B332LAS	1.00	--
B341LAC	0.94	0.12
B341LAS	1.00	--
B342LAC	0.86	0.03
B342LAS	0.98	0.13
C111LAC	0.83	0.60
C111LAS	0.85	0.51
C112LAC	0.81	0.40
C112LAS	0.84	0.35
C121LAC	0.85	0.05
C121LAS	0.95	0.25
C122LAC	0.87	0.04
C122LAS	0.96	0.19
C131LAC	0.93	0.24
C131LAS	1.00	--
C132LAC	0.95	0.16
C132LAS	0.98	-0.08
C141LAC	0.77	0.33
C141LAS	1.00	--
C142LAC	0.61	0.13
C142LAS	1.00	--
D111LAC	0.95	0.47
D111LAS	0.85	0.53
D112LAC	0.95	0.47
D112LAS	0.85	0.53

continued

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
D121LAC	0.95	0.25
D121LAS	0.87	0.25
D122LAC	0.96	0.24
D122LAS	0.90	0.07
D131LAC	1.00	--
D131LAS	0.94	0.34
D132LAC	0.94	0.29
D132LAS	0.93	0.13
D141LAC	0.88	0.37
D141LAS	0.97	-0.11
D142LAC	0.76	-0.24
D142LAS	0.98	-0.05

**Table F-3. 2009–10 PAAP: Item-Level Classical Test Theory Statistics – Mathematics Grade 4**

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
A111LAC	0.70	0.72
A111LAS	0.81	0.59
A112LAC	0.73	0.63
A112LAS	0.81	0.59
A121LAC	0.91	0.09
A121LAS	0.93	-0.03
A122LAC	0.89	-0.04
A122LAS	0.96	0.03
A131LAC	0.89	0.05
A131LAS	0.99	-0.05
A132LAC	0.82	0.06
A132LAS	1.00	--
A141LAC	0.93	0.04
A141LAS	0.99	-0.04
A142LAC	0.90	0.11
A142LAS	1.00	--
A511LAC	0.81	0.67
A511LAS	0.83	0.58
A512LAC	0.78	0.68
A512LAS	0.83	0.58
A521LAC	0.83	0.05
A521LAS	0.94	0.03
A522LAC	0.88	0.15
A522LAS	0.96	0.44
A531LAC	0.90	0.14
A531LAS	0.98	-0.06
A532LAC	0.86	0.10
A532LAS	0.98	-0.06
A541LAC	0.90	0.39
A541LAS	0.93	0.51
A542LAC	0.93	0.54
A542LAS	0.93	0.51
B311LAC	0.69	0.48
B311LAS	0.86	0.62
B312LAC	0.74	0.46

continued

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
B312LAS	0.88	0.61
B321LAC	0.88	0.06
B321LAS	0.96	0.49
B322LAC	0.83	0.49
B322LAS	0.99	0.20
B331LAC	0.93	0.13
B331LAS	1.00	--
B332LAC	0.94	0.33
B332LAS	1.00	--
B341LAC	0.97	0.44
B341LAS	0.99	0.25
B342LAC	0.90	0.21
B342LAS	0.99	0.24
C111LAC	0.79	0.57
C111LAS	0.76	0.67
C112LAC	0.82	0.60
C112LAS	0.80	0.68
C121LAC	0.85	0.26
C121LAS	0.97	0.14
C122LAC	0.86	0.29
C122LAS	0.98	0.17
C131LAC	0.96	0.02
C131LAS	0.99	0.00
C132LAC	0.96	-0.05
C132LAS	0.99	-0.07
C141LAC	0.95	0.33
C141LAS	1.00	--
C142LAC	0.77	0.73
C142LAS	1.00	--
D111LAC	0.96	0.02
D111LAS	0.98	0.36
D112LAC	0.95	0.06
D112LAS	0.98	0.36
D121LAC	0.98	-0.10
D121LAS	0.98	-0.31
D122LAC	1.00	--
D122LAS	0.98	-0.31
D131LAC	0.98	0.32
D131LAS	0.98	-0.07
D132LAC	0.91	0.08
D132LAS	0.99	0.15
D141LAC	0.86	0.05
D141LAS	1.00	--
D142LAC	0.76	0.44
D142LAS	0.97	0.32

Note: Statistics are only presented for items that were taken by 10 or more students.

**Table F-4. 2009–10 PAAP: Item-Level Classical Test Theory Statistics – Mathematics Grade 5**

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
A111LAC	0.73	0.52
A111LAS	0.87	0.44
A112LAC	0.70	0.51
A112LAS	0.90	0.36
A121LAC	0.95	0.09
A121LAS	0.98	-0.36
A122LAC	0.98	0.29
A122LAS	1.00	--
A131LAC	0.92	-0.02
A131LAS	1.00	--
A132LAC	0.72	0.28
A132LAS	1.00	--
A141LAC	0.95	-0.08
A141LAS	0.98	0.16
A142LAC	0.91	-0.05
A142LAS	0.99	-0.06
A511LAC	0.66	0.91
A511LAS	0.76	0.79
A512LAC	0.64	0.93
A512LAS	0.76	0.79
A521LAC		
A521LAS		
A522LAC		
A522LAS		
A531LAC	0.89	-0.06
A531LAS	0.96	0.27
A532LAC	0.91	0.53
A532LAS	0.94	0.25
A541LAC	0.93	0.68
A541LAS	0.94	0.71
A542LAC	0.91	0.68
A542LAS	0.95	0.74
B311LAC	0.70	0.51
B311LAS	0.90	0.42
B312LAC	0.70	0.43
B312LAS	0.92	0.46
B321LAC	0.91	0.37
B321LAS	1.00	--
B322LAC	0.86	0.03
B322LAS	0.94	-0.21
B331LAC	0.92	0.08
B331LAS	1.00	--
B332LAC	0.95	0.19
B332LAS	1.00	--
B341LAC	0.97	0.11
B341LAS	1.00	-0.01
B342LAC	0.96	0.19
B342LAS	0.99	-0.05
C111LAC	0.66	0.71
C111LAS	0.71	0.59

continued

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
C112LAC	0.72	0.62
C112LAS	0.71	0.59
C121LAC	0.85	0.28
C121LAS	0.89	0.23
C122LAC	0.89	0.40
C122LAS	0.89	0.23
C131LAC	0.92	0.26
C131LAS	0.99	0.13
C132LAC	0.95	0.37
C132LAS	0.99	0.13
C141LAC	0.96	-0.03
C141LAS	0.98	0.00
C142LAC	0.83	0.49
C142LAS	0.95	0.71
D111LAC	0.86	0.52
D111LAS	0.88	0.37
D112LAC	0.84	0.41
D112LAS	0.79	0.15
D121LAC		
D121LAS		
D122LAC		
D122LAS		
D131LAC	0.99	0.11
D131LAS	0.94	0.43
D132LAC	0.90	0.22
D132LAS	0.98	0.22
D141LAC	0.91	0.58
D141LAS	0.98	0.07
D142LAC	0.90	0.31
D142LAS	0.97	0.06

Note: Statistics are only presented for items that were taken by 10 or more students.

**Table F-5. 2009–10 PAAP: Item-Level Classical Test Theory Statistics – Mathematics Grade 6**

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
A111LAC	0.74	0.83
A111LAS	0.78	0.65
A112LAC	0.70	0.80
A112LAS	0.73	0.75
A121LAC	0.90	0.19
A121LAS	0.98	-0.15
A122LAC	0.88	0.16
A122LAS	0.98	-0.15
A131LAC	0.91	-0.25
A131LAS	0.96	0.53
A132LAC	0.83	0.14
A132LAS	0.97	0.56
A141LAC	0.88	0.35
A141LAS	0.95	-0.10
A142LAC	0.88	0.28
A142LAS	0.99	-0.06
A151LAC	0.93	0.09

continued

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
A151LAS	0.99	-0.18
A152LAC	0.94	0.11
A152LAS	0.98	-0.05
A161LAC		
A161LAS		
A162LAC		
A162LAS		
A511LAC	0.94	0.09
A511LAS	0.97	0.34
A512LAC	0.90	-0.06
A512LAS	0.97	0.34
A521LAC		
A521LAS		
A522LAC		
A522LAS		
A531LAC	1.00	--
A531LAS	0.93	0.60
A532LAC	1.00	--
A532LAS	0.93	0.60
A541LAC	0.91	0.64
A541LAS	0.94	0.74
A542LAC	0.92	0.65
A542LAS	0.94	0.74
A551LAC	0.90	0.12
A551LAS	1.00	--
A552LAC	0.94	0.02
A552LAS	0.99	0.32
A561LAC	0.98	-0.10
A561LAS	1.00	--
A562LAC	0.93	0.35
A562LAS	1.00	--
B311LAC	0.81	0.64
B311LAS	0.87	0.87
B312LAC	0.82	0.80
B312LAS	0.88	0.78
B321LAC	0.75	0.71
B321LAS	0.90	0.69
B322LAC	0.79	0.82
B322LAS	0.90	0.69
B331LAC	0.89	0.40
B331LAS	0.96	0.45
B332LAC	0.94	0.55
B332LAS	0.96	0.45
B341LAC	0.95	0.28
B341LAS	0.96	0.41
B342LAC	0.86	0.28
B342LAS	0.94	0.47
B351LAC	0.98	0.07
B351LAS	0.98	0.22
B352LAC	1.00	--
B352LAS	0.99	0.50

continued

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
B361LAC	1.00	--
B361LAS	1.00	--
B362LAC	0.98	0.25
B362LAS	1.00	--
C111LAC	0.78	0.81
C111LAS	0.80	0.64
C112LAC	0.77	0.80
C112LAS	0.80	0.64
C121LAC	0.83	0.07
C121LAS	0.97	0.00
C122LAC	0.83	0.28
C122LAS	0.93	0.00
C131LAC	0.93	0.44
C131LAS	0.98	-0.06
C132LAC	0.93	0.45
C132LAS	0.98	-0.06
C141LAC	0.95	-0.06
C141LAS	1.00	--
C142LAC	0.92	0.33
C142LAS	0.98	0.04
C151LAC	0.91	-0.03
C151LAS	0.99	-0.28
C152LAC	0.98	0.21
C152LAS	1.00	--
C161LAC	0.86	-0.33
C161LAS	1.00	--
C162LAC	0.95	0.61
C162LAS	1.00	--
D111LAC	0.99	0.04
D111LAS	0.86	0.21
D112LAC	0.99	0.04
D112LAS	0.86	0.21
D121LAC	0.91	-0.58
D121LAS	0.88	-0.58
D122LAC	0.98	0.10
D122LAS	0.88	0.28
D131LAC	1.00	--
D131LAS	0.93	0.20
D132LAC	0.94	-0.03
D132LAS	0.95	0.04
D141LAC	0.94	0.16
D141LAS	0.99	0.17
D142LAC	0.88	0.25
D142LAS	0.98	0.25
D151LAC	1.00	--
D151LAS	0.94	-0.04
D152LAC	0.92	0.30
D152LAS	1.00	--
D161LAC	0.94	0.88
D161LAS	0.94	0.88
D162LAC	0.92	0.87
D162LAS	0.94	0.88

**Table F-6. 2009–10 PAAP: Item-Level Classical Test Theory Statistics – Mathematics Grade 7**

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
A111LAC		
A111LAS		
A112LAC		
A112LAS		
A121LAC	0.89	-0.01
A121LAS	0.92	0.50
A122LAC	0.90	0.32
A122LAS	0.92	0.50
A131LAC	0.94	0.03
A131LAS	1.00	--
A132LAC	0.91	-0.14
A132LAS	0.98	0.31
A141LAC	0.94	0.34
A141LAS	0.98	-0.06
A142LAC	0.89	0.04
A142LAS	0.98	0.22
A151LAC	0.87	-0.16
A151LAS	1.00	--
A152LAC	0.90	-0.46
A152LAS	1.00	--
A161LAC	1.00	--
A161LAS	1.00	--
A162LAC	1.00	--
A162LAS	1.00	--
A511LAC		
A511LAS		
A512LAC		
A512LAS		
A521LAC		
A521LAS		
A522LAC		
A522LAS		
A531LAC		
A531LAS		
A532LAC		
A532LAS		
A541LAC	0.95	0.23
A541LAS	0.98	-0.58
A542LAC	0.92	0.02
A542LAS	1.00	--
A551LAC	0.92	0.60
A551LAS	0.97	0.84
A552LAC	0.89	0.76
A552LAS	0.94	0.82
A561LAC	0.99	0.03
A561LAS	0.97	0.03
A562LAC	0.96	0.00
A562LAS	0.97	0.03
B311LAC	0.74	0.43
B311LAS	0.85	0.43

continued

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
B312LAC	0.71	0.55
B312LAS	0.85	0.43
B321LAC	0.90	0.06
B321LAS	1.00	--
B322LAC	0.85	0.12
B322LAS	1.00	--
B331LAC	0.93	0.27
B331LAS	1.00	--
B332LAC	0.91	-0.13
B332LAS	0.94	-0.33
B341LAC	0.96	0.00
B341LAS	0.97	0.17
B342LAC	0.89	0.02
B342LAS	0.96	0.11
B351LAC	0.99	-0.17
B351LAS	0.98	-0.05
B352LAC	0.95	0.44
B352LAS	0.98	-0.05
B361LAC	0.91	0.26
B361LAS	0.96	0.21
B362LAC	0.90	0.29
B362LAS	0.98	0.32
C111LAC	0.87	0.63
C111LAS	0.79	0.65
C112LAC	0.83	0.67
C112LAS	0.79	0.65
C121LAC	0.79	0.64
C121LAS	0.88	0.58
C122LAC	0.75	0.57
C122LAS	0.88	0.58
C131LAC	0.92	0.24
C131LAS	0.99	0.03
C132LAC	0.94	0.25
C132LAS	1.00	--
C141LAC	0.91	-0.14
C141LAS	0.98	-0.04
C142LAC	0.89	-0.01
C142LAS	0.95	-0.13
C151LAC	0.90	-0.11
C151LAS	0.98	0.09
C152LAC	0.95	-0.10
C152LAS	1.00	--
C161LAC	0.88	-0.21
C161LAS	1.00	--
C162LAC	0.96	0.43
C162LAS	1.00	--
D111LAC		
D111LAS		
D112LAC		
D112LAS		
D121LAC		

continued

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
D121LAS		
D122LAC		
D122LAS		
D131LAC	0.98	-0.08
D131LAS	0.95	-0.29
D132LAC	0.92	-0.04
D132LAS	0.94	-0.22
D141LAC	0.97	0.05
D141LAS	0.99	-0.09
D142LAC	0.84	0.37
D142LAS	0.93	0.06
D151LAC	0.98	-0.54
D151LAS	1.00	--
D152LAC	0.73	0.37
D152LAS	0.97	-0.26
D161LAC	0.95	-0.04
D161LAS	0.99	0.01
D162LAC	0.95	0.05
D162LAS	0.99	-0.06

Note: Statistics are only presented for items that were taken by 10 or more students.

**Table F-7. 2009–10 PAAP: Item-Level Classical Test Theory Statistics – Mathematics High School**

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
A111LAC	0.81	0.43
A111LAS	0.88	0.49
A112LAC	0.79	0.36
A112LAS	0.86	0.55
A121LAC	0.88	0.41
A121LAS	0.94	0.34
A122LAC	0.86	0.53
A122LAS	0.92	0.48
A131LAC	0.92	0.57
A131LAS	0.95	0.14
A132LAC	0.79	0.19
A132LAS	0.92	0.53
A141LAC		
A141LAS		
A142LAC		
A142LAS		
A151LAC	0.83	-0.22
A151LAS	0.91	-0.29
A152LAC	0.87	-0.32
A152LAS	1.00	--
A161LAC		
A161LAS		
A162LAC		
A162LAS		
A171LAC	0.92	0.68
A171LAS	0.98	-0.18
A172LAC	0.99	0.50
A172LAS	1.00	--

continued

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
A181LAC	0.85	0.15
A181LAS	0.96	0.42
A182LAC	0.93	0.00
A182LAS	0.93	0.54
A511LAC	0.75	0.78
A511LAS	0.91	0.19
A512LAC	0.80	0.38
A512LAS	0.91	0.19
A521LAC		
A521LAS		
A522LAC		
A522LAS		
A531LAC		
A531LAS		
A532LAC		
A532LAS		
A541LAC	0.83	0.75
A541LAS	0.88	0.75
A542LAC	0.86	0.83
A542LAS	0.85	0.69
A551LAC	0.94	0.14
A551LAS	0.99	-0.04
A552LAC	0.93	0.33
A552LAS	0.98	-0.09
A561LAC	1.00	--
A561LAS	1.00	--
A562LAC	0.90	-0.41
A562LAS	1.00	--
A571LAC		
A571LAS		
A572LAC		
A572LAS		
A581LAC	0.92	0.55
A581LAS	1.00	--
A582LAC	0.93	0.78
A582LAS	0.99	0.95
B311LAC	0.68	0.34
B311LAS	0.84	0.31
B312LAC	0.66	0.01
B312LAS	0.82	-0.10
B321LAC	0.92	0.41
B321LAS	1.00	--
B322LAC	0.92	0.63
B322LAS	1.00	--
B331LAC	0.83	0.74
B331LAS	0.90	0.60
B332LAC	0.88	0.82
B332LAS	0.90	0.74
B341LAC	0.97	0.29
B341LAS	0.90	0.26
B342LAC	0.87	0.05

continued

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
B342LAS	0.92	0.21
B351LAC	0.94	0.60
B351LAS	0.95	0.60
B352LAC	0.90	0.30
B352LAS	0.91	0.41
B361LAC	0.96	0.05
B361LAS	0.95	0.25
B362LAC	0.93	0.04
B362LAS	0.97	0.43
B371LAC	0.97	-0.16
B371LAS	0.95	-0.03
B372LAC	0.93	-0.10
B372LAS	0.92	0.19
B381LAC	0.94	0.12
B381LAS	0.97	0.14
B382LAC	0.85	0.73
B382LAS	0.97	0.31
C111LAC	0.90	0.31
C111LAS	0.90	0.40
C112LAC	0.85	0.35
C112LAS	0.88	0.43
C121LAC	0.69	0.90
C121LAS	0.87	0.70
C122LAC	0.78	0.81
C122LAS	0.89	0.69
C131LAC	0.88	0.31
C131LAS	0.99	0.07
C132LAC	0.92	0.35
C132LAS	0.94	0.15
C141LAC	0.93	0.42
C141LAS	0.91	0.23
C142LAC	0.97	-0.02
C142LAS	0.89	0.20
C151LAC	0.85	0.27
C151LAS	0.93	0.27
C152LAC	0.92	0.28
C152LAS	0.91	0.23
C161LAC	0.91	0.63
C161LAS	0.98	0.39
C162LAC	0.90	0.33
C162LAS	1.00	--
C171LAC	0.94	-0.12
C171LAS	0.94	0.38
C172LAC	0.91	0.84
C172LAS	0.98	-0.19
C181LAC	0.88	0.27
C181LAS	0.97	0.15
C182LAC	0.95	0.12
C182LAS	0.97	0.15
D111LAC	0.87	0.45
D111LAS	0.76	0.37

continued

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
D112LAC	0.90	0.43
D112LAS	0.80	0.48
D121LAC		
D121LAS		
D122LAC		
D122LAS		
D131LAC	0.98	0.14
D131LAS	0.82	-0.16
D132LAC	0.91	-0.10
D132LAS	0.91	-0.73
D141LAC	0.89	0.07
D141LAS	0.96	0.05
D142LAC	0.84	0.05
D142LAS	0.96	0.63
D151LAC	1.00	--
D151LAS	0.92	0.09
D152LAC	0.81	0.36
D152LAS	0.89	-0.08
D161LAC	0.90	0.50
D161LAS	0.92	-0.12
D162LAC	0.91	0.18
D162LAS	0.93	0.39
D171LAC	0.92	0.01
D171LAS	1.00	--
D172LAC	0.92	0.07
D172LAS	1.00	--
D181LAC	0.91	-0.09
D181LAS	1.00	--
D182LAC	0.80	0.43
D182LAS	0.99	-0.03

Note: Statistics are only presented for items that were taken by 10 or more students.

**Table F-8. 2009–10 PAAP: Item-Level Classical Test Theory Statistics – Reading Grade 2**

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
A111LAC	0.85	0.68
A111LAS	0.91	0.62
A112LAC	0.83	0.73
A112LAS	0.90	0.72
A113LAC	0.81	0.68
A113LAS	0.90	0.62
A121LAC	0.88	0.42
A121LAS	0.98	-0.06
A122LAC	0.89	0.40
A122LAS	0.97	0.08
A123LAC	0.95	0.30
A123LAS	0.98	0.04
A131LAC	0.86	0.18
A131LAS	1.00	--
A132LAC	0.85	0.27
A132LAS	1.00	--
A133LAC	0.92	0.29

continued

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
A133LAS	1.00	--
A141LAC	0.97	0.42
A141LAS	1.00	--
A142LAC	0.89	0.47
A142LAS	0.96	0.33
A143LAC	0.78	0.50
A143LAS	0.95	0.35
A211LAC	0.87	0.77
A211LAS	0.96	0.49
A212LAC	0.87	0.72
A212LAS	0.96	0.49
A213LAC	0.84	0.70
A213LAS	0.92	0.45
A221LAC	0.86	0.06
A221LAS	0.95	0.19
A222LAC	0.87	0.19
A222LAS	0.96	0.05
A223LAC	0.90	0.15
A223LAS	0.98	-0.01
A231LAC	0.90	-0.05
A231LAS	0.99	-0.16
A232LAC	0.82	-0.10
A232LAS	0.99	-0.16
A233LAC	0.83	0.01
A233LAS	0.94	0.18
A241LAC	0.91	-0.07
A241LAS	0.96	0.82
A242LAC	0.95	0.07
A242LAS	0.96	0.82
A243LAC	0.78	0.25
A243LAS	0.96	0.82
A311LAC	0.90	0.04
A311LAS	1.00	--
A312LAC	0.94	-0.23
A312LAS	1.00	--
A313LAC	0.89	0.26
A313LAS	1.00	--
A321LAC	0.91	0.46
A321LAS	0.98	0.29
A322LAC	0.86	0.31
A322LAS	1.00	--
A323LAC	0.89	0.12
A323LAS	1.00	--
A331LAC	0.73	0.11
A331LAS	1.00	--
A332LAC	0.85	0.38
A332LAS	0.92	0.39
A333LAC	0.83	0.54
A333LAS	0.92	0.39
A341LAC		
A341LAS		

continued

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
A342LAC		
A342LAS		
A343LAC		
A343LAS		

Note: Statistics are only presented for items that were taken by 10 or more students.

**Table F-9. 2009–10 PAAP: Item-Level Classical Test Theory Statistics – Reading Grade 3**

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
A111LAC	0.85	0.66
A111LAS	0.89	0.70
A112LAC	0.84	0.75
A112LAS	0.91	0.78
A113LAC	0.79	0.68
A113LAS	0.87	0.68
A121LAC	0.85	0.48
A121LAS	0.97	0.26
A122LAC	0.85	0.48
A122LAS	0.99	0.01
A123LAC	0.96	0.27
A123LAS	0.99	-0.05
A131LAC	0.88	0.15
A131LAS	0.99	-0.10
A132LAC	0.87	0.20
A132LAS	0.99	0.17
A133LAC	0.94	-0.07
A133LAS	0.99	0.17
A141LAC	0.96	0.38
A141LAS	1.00	--
A142LAC	0.92	0.05
A142LAS	0.99	0.16
A143LAC	0.78	0.42
A143LAS	0.99	-0.08
A211LAC	0.85	0.71
A211LAS	0.92	0.74
A212LAC	0.81	0.64
A212LAS	0.92	0.73
A213LAC	0.86	0.61
A213LAS	0.92	0.59
A221LAC	0.83	0.07
A221LAS	0.95	0.09
A222LAC	0.87	0.15
A222LAS	0.99	0.14
A223LAC	0.89	0.01
A223LAS	0.99	0.05
A231LAC	0.88	0.14
A231LAS	0.99	0.24
A232LAC	0.81	0.36
A232LAS	0.99	0.24
A233LAC	0.77	0.36
A233LAS	0.99	0.24
A241LAC	0.94	0.65

continued

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
A241LAS	0.98	0.47
A242LAC	0.97	0.31
A242LAS	0.98	0.47
A243LAC	0.80	0.37
A243LAS	0.97	0.30
A311LAC	0.73	0.44
A311LAS	0.97	0.20
A312LAC	0.77	0.31
A312LAS	0.89	0.03
A313LAC	0.73	0.41
A313LAS	0.97	0.20
A321LAC	0.95	-0.06
A321LAS	0.98	0.34
A322LAC	0.93	-0.41
A322LAS	0.98	0.34
A323LAC	0.89	0.07
A323LAS	0.95	0.27
A331LAC	0.82	0.64
A331LAS	0.98	0.27
A332LAC	0.85	0.20
A332LAS	1.00	--
A333LAC	0.88	0.22
A333LAS	1.00	--
A341LAC	0.88	-0.49
A341LAS	1.00	--
A342LAC	0.73	-0.50
A342LAS	1.00	--
A343LAC	0.83	0.03
A343LAS	1.00	--

Note: Statistics are only presented for items that were taken by 10 or more students.

**Table F-10. 2009–10 PAAP: Item-Level Classical Test Theory Statistics – Reading Grade 4**

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
A111LAC	0.81	0.86
A111LAS	0.87	0.76
A112LAC	0.76	0.79
A112LAS	0.89	0.81
A113LAC	0.69	0.82
A113LAS	0.82	0.75
A121LAC	0.88	0.41
A121LAS	1.00	--
A122LAC	0.87	0.35
A122LAS	0.99	0.11
A123LAC	0.94	0.28
A123LAS	0.98	-0.09
A131LAC	0.85	0.18
A131LAS	0.98	0.07
A132LAC	0.86	0.13
A132LAS	0.99	0.11
A133LAC	0.96	0.35
A133LAS	1.00	--

continued

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
A141LAC	0.98	0.17
A141LAS	1.00	--
A142LAC	0.93	0.14
A142LAS	1.00	--
A143LAC	0.87	0.36
A143LAS	0.99	0.02
A211LAC	0.82	0.81
A211LAS	0.89	0.72
A212LAC	0.82	0.64
A212LAS	0.89	0.70
A213LAC	0.82	0.81
A213LAS	0.90	0.71
A221LAC	0.89	-0.04
A221LAS	0.98	0.19
A222LAC	0.89	-0.06
A222LAS	0.96	0.14
A223LAC	0.91	0.23
A223LAS	0.97	0.09
A231LAC	0.87	0.47
A231LAS	0.97	0.58
A232LAC	0.80	0.42
A232LAS	0.97	0.61
A233LAC	0.82	0.46
A233LAS	0.98	0.63
A241LAC	0.94	0.05
A241LAS	1.00	--
A242LAC	0.95	0.14
A242LAS	1.00	--
A243LAC	0.82	0.34
A243LAS	1.00	--
A311LAC	0.75	0.43
A311LAS	0.98	0.60
A312LAC	0.82	0.26
A312LAS	0.95	0.44
A313LAC	0.82	0.48
A313LAS	0.95	0.44
A321LAC	0.97	0.18
A321LAS	1.00	--
A322LAC	0.88	0.12
A322LAS	1.00	--
A323LAC	0.85	-0.04
A323LAS	1.00	--
A331LAC	0.83	0.37
A331LAS	0.97	0.21
A332LAC	0.92	0.26
A332LAS	0.99	0.17
A333LAC	0.86	0.47
A333LAS	0.99	0.17
A341LAC	0.83	0.82
A341LAS	0.98	0.34
A342LAC	0.82	0.85

continued

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
A342LAS	0.97	0.28
A343LAC	0.76	0.67
A343LAS	0.97	0.28

Note: Statistics are only presented for items that were taken by 10 or more students.

**Table F-11. 2009–10 PAAP: Item-Level Classical Test Theory Statistics – Reading Grade 5**

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
A111LAC	0.79	0.74
A111LAS	0.95	0.57
A112LAC	0.80	0.54
A112LAS	0.94	0.57
A113LAC	0.70	0.64
A113LAS	0.88	0.60
A121LAC	0.87	-0.11
A121LAS	0.99	-0.33
A122LAC	0.91	0.51
A122LAS	0.96	-0.15
A123LAC	0.95	0.27
A123LAS	0.99	-0.33
A131LAC	0.85	0.37
A131LAS	0.98	0.04
A132LAC	0.84	0.35
A132LAS	0.99	0.21
A133LAC	0.96	0.23
A133LAS	1.00	--
A141LAC	0.99	-0.04
A141LAS	1.00	--
A142LAC	0.97	0.07
A142LAS	1.00	--
A143LAC	0.86	0.31
A143LAS	0.99	0.26
A211LAC	0.81	0.69
A211LAS	0.92	0.47
A212LAC	0.85	0.58
A212LAS	0.95	0.52
A213LAC	0.83	0.69
A213LAS	0.95	0.52
A221LAC	0.86	0.50
A221LAS	0.92	0.16
A222LAC	0.86	0.13
A222LAS	0.92	0.16
A223LAC	0.91	0.04
A223LAS	0.93	0.11
A231LAC	0.91	0.32
A231LAS	0.99	0.09
A232LAC	0.81	-0.08
A232LAS	0.99	0.09
A233LAC	0.85	0.31
A233LAS	0.98	0.29
A241LAC	0.93	0.18
A241LAS	0.99	-0.01

continued

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
A242LAC	0.90	0.59
A242LAS	0.98	0.37
A243LAC	0.80	0.46
A243LAS	0.98	0.37
A311LAC		
A311LAS		
A312LAC		
A312LAS		
A313LAC		
A313LAS		
A321LAC	0.90	-0.09
A321LAS	1.00	--
A322LAC	0.88	0.37
A322LAS	1.00	--
A323LAC	0.83	0.07
A323LAS	0.97	0.44
A331LAC	0.93	0.15
A331LAS	1.00	--
A332LAC	0.94	0.40
A332LAS	1.00	--
A333LAC	0.95	0.41
A333LAS	1.00	--
A341LAC	0.86	0.46
A341LAS	1.00	--
A342LAC	0.82	0.45
A342LAS	1.00	--
A343LAC	0.83	0.71
A343LAS	1.00	--

Note: Statistics are only presented for items that were taken by 10 or more students.

**Table F-12. 2009–10 PAAP: Item-Level Classical Test Theory Statistics – Reading Grade 6**

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
A111LAC	0.85	0.85
A111LAS	0.88	0.78
A112LAC	0.82	0.80
A112LAS	0.88	0.78
A113LAC	0.77	0.73
A113LAS	0.87	0.72
A121LAC	0.87	0.38
A121LAS	0.95	0.34
A122LAC	0.87	0.47
A122LAS	0.95	0.34
A123LAC	0.93	0.50
A123LAS	0.98	0.36
A131LAC	0.86	0.68
A131LAS	0.91	0.47
A132LAC	0.84	0.64
A132LAS	0.91	0.47
A133LAC	0.94	0.69
A133LAS	0.95	0.70
A141LAC	0.98	-0.08

continued

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
A141LAS	0.98	0.04
A142LAC	0.95	0.32
A142LAS	0.98	0.04
A143LAC	0.78	0.27
A143LAS	0.98	0.04
A151LAC	0.88	0.40
A151LAS	0.98	0.50
A152LAC	0.92	0.47
A152LAS	0.98	0.56
A153LAC	0.91	0.39
A153LAS	0.97	0.40
A161LAC	0.97	0.40
A161LAS	1.00	--
A162LAC	0.95	0.15
A162LAS	1.00	--
A163LAC	0.82	0.33
A163LAS	1.00	--
A211LAC	0.85	0.87
A211LAS	0.92	0.84
A212LAC	0.81	0.87
A212LAS	0.92	0.84
A213LAC	0.84	0.83
A213LAS	0.92	0.84
A221LAC	0.90	0.37
A221LAS	0.94	0.17
A222LAC	0.88	0.51
A222LAS	0.93	0.32
A223LAC	0.82	0.53
A223LAS	0.96	0.17
A231LAC	0.88	-0.02
A231LAS	0.97	0.22
A232LAC	0.82	-0.07
A232LAS	0.97	0.22
A233LAC	0.88	-0.16
A233LAS	0.99	0.12
A241LAC	0.93	0.05
A241LAS	0.99	0.14
A242LAC	0.93	0.00
A242LAS	0.99	0.14
A243LAC	0.84	-0.11
A243LAS	0.98	0.14
A251LAC	0.83	0.71
A251LAS	0.93	0.88
A252LAC	0.80	0.75
A252LAS	0.93	0.88
A253LAC	0.85	0.80
A253LAS	0.94	0.90
A261LAC	0.75	0.89
A261LAS	0.93	0.93
A262LAC	0.83	0.80
A262LAS	0.91	0.97

continued

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
A263LAC	0.78	0.79
A263LAS	0.91	0.97
A311LAC	0.70	0.71
A311LAS	0.86	0.63
A312LAC	0.79	0.68
A312LAS	0.81	0.75
A313LAC	0.70	0.71
A313LAS	0.81	0.75
A321LAC		
A321LAS		
A322LAC		
A322LAS		
A323LAC		
A323LAS		
A331LAC	0.85	-0.59
A331LAS	0.98	-0.06
A332LAC	0.94	0.21
A332LAS	1.00	--
A333LAC	0.91	0.34
A333LAS	1.00	--
A341LAC	0.88	-0.03
A341LAS	0.98	-0.23
A342LAC	0.87	0.17
A342LAS	0.98	-0.23
A343LAC	0.78	-0.19
A343LAS	1.00	--
A351LAC	0.85	0.40
A351LAS	1.00	--
A352LAC	0.84	0.47
A352LAS	1.00	--
A353LAC	0.81	0.02
A353LAS	1.00	--
A361LAC		
A361LAS		
A362LAC		
A362LAS		
A363LAC		
A363LAS		

Note: Statistics are only presented for items that were taken by 10 or more students.

**Table F-13. 2009–10 PAAP: Item-Level Classical Test Theory Statistics – Reading Grade 7**

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
A111LAC	0.76	0.58
A111LAS	0.84	0.50
A112LAC	0.78	0.42
A112LAS	0.84	0.50
A113LAC	0.72	0.40
A113LAS	0.88	0.39
A121LAC	0.85	0.39
A121LAS	0.97	0.41
A122LAC	0.85	0.21

continued

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
A122LAS	0.94	0.23
A123LAC	0.94	0.40
A123LAS	0.97	0.41
A131LAC	0.88	0.04
A131LAS	1.00	--
A132LAC	0.89	0.01
A132LAS	1.00	--
A133LAC	0.97	0.08
A133LAS	1.00	--
A141LAC	0.94	0.58
A141LAS	0.95	0.62
A142LAC	0.91	0.50
A142LAS	0.95	0.62
A143LAC	0.80	0.60
A143LAS	0.94	0.60
A151LAC	0.86	-0.20
A151LAS	0.96	0.05
A152LAC	0.92	0.00
A152LAS	1.00	--
A153LAC	0.91	0.24
A153LAS	0.99	0.04
A161LAC	0.98	0.12
A161LAS	1.00	--
A162LAC	0.96	0.02
A162LAS	1.00	--
A163LAC	0.84	0.21
A163LAS	1.00	0.05
A211LAC	0.72	0.62
A211LAS	0.83	0.60
A212LAC	0.77	0.69
A212LAS	0.83	0.60
A213LAC	0.78	0.74
A213LAS	0.83	0.34
A221LAC	0.88	0.50
A221LAS	0.91	0.65
A222LAC	0.88	0.50
A222LAS	0.88	0.67
A223LAC	0.91	0.51
A223LAS	0.89	0.68
A231LAC	0.89	0.21
A231LAS	1.00	--
A232LAC	0.85	-0.03
A232LAS	1.00	--
A233LAC	0.90	0.03
A233LAS	1.00	--
A241LAC	0.86	0.24
A241LAS	0.98	-0.24
A242LAC	0.91	0.12
A242LAS	1.00	--
A243LAC	0.81	0.27
A243LAS	0.99	-0.05

continued

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
A251LAC	0.77	0.73
A251LAS	0.87	0.80
A252LAC	0.80	0.79
A252LAS	0.90	0.90
A253LAC	0.78	0.69
A253LAS	0.87	0.80
A261LAC	0.82	0.75
A261LAS	0.96	0.99
A262LAC	0.88	0.76
A262LAS	0.97	0.94
A263LAC	0.84	0.65
A263LAS	0.94	0.75
A311LAC		
A311LAS		
A312LAC		
A312LAS		
A313LAC		
A313LAS		
A321LAC		
A321LAS		
A322LAC		
A322LAS		
A323LAC		
A323LAS		
A331LAC		
A331LAS		
A332LAC		
A332LAS		
A333LAC		
A333LAS		
A341LAC	0.83	-0.03
A341LAS	1.00	--
A342LAC	0.85	-0.50
A342LAS	1.00	--
A343LAC	0.83	-0.42
A343LAS	1.00	--
A351LAC	0.82	0.40
A351LAS	1.00	--
A352LAC	0.82	0.23
A352LAS	1.00	--
A353LAC	0.80	0.38
A353LAS	1.00	--
A361LAC	0.77	-0.35
A361LAS	1.00	--
A362LAC	0.84	-0.12
A362LAS	1.00	--
A363LAC	0.93	-0.04
A363LAS	1.00	--

Note: Statistics are only presented for items that were taken by 10 or more students.

**Table F-14. 2009–10 PAAP: Item-Level Classical Test Theory Statistics – Reading High School**

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
A111LAC	0.81	0.58
A111LAS	0.95	0.39
A112LAC	0.81	0.55
A112LAS	0.95	0.39
A113LAC	0.72	0.56
A113LAS	0.90	0.30
A121LAC	0.85	0.55
A121LAS	0.98	-0.32
A122LAC	0.83	0.62
A122LAS	0.96	-0.22
A123LAC	0.92	0.52
A123LAS	0.93	0.27
A131LAC	0.77	0.80
A131LAS	0.94	0.92
A132LAC	0.80	0.82
A132LAS	0.92	0.86
A133LAC	0.88	0.77
A133LAS	0.94	0.92
A141LAC	0.93	0.47
A141LAS	0.94	-0.05
A142LAC	0.93	0.59
A142LAS	0.97	0.17
A143LAC	0.82	0.47
A143LAS	0.94	0.15
A151LAC	0.88	0.02
A151LAS	0.97	-0.07
A152LAC	0.92	0.31
A152LAS	0.98	0.08
A153LAC	0.91	0.34
A153LAS	0.99	0.08
A161LAC	0.98	0.43
A161LAS	0.98	0.12
A162LAC	0.97	0.16
A162LAS	0.98	0.12
A163LAC	0.86	0.15
A163LAS	0.95	0.05
A171LAC	0.91	0.10
A171LAS	1.00	--
A172LAC	0.85	-0.13
A172LAS	1.00	--
A173LAC	0.89	0.11
A173LAS	1.00	--
A181LAC	0.96	0.15
A181LAS	0.97	-0.10
A182LAC	0.85	0.10
A182LAS	0.99	-0.02
A183LAC	0.82	-0.07
A183LAS	1.00	--
A211LAC	0.83	0.59
A211LAS	0.94	0.47

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
		continued
A212LAC	0.79	0.52
A212LAS	0.94	0.47
A213LAC	0.83	0.59
A213LAS	0.94	0.47
A221LAC	0.84	0.14
A221LAS	0.98	0.44
A222LAC	0.79	0.03
A222LAS	0.98	0.44
A223LAC	0.80	0.25
A223LAS	0.88	0.39
A231LAC	0.81	0.85
A231LAS	0.85	0.86
A232LAC	0.77	0.78
A232LAS	0.85	0.79
A233LAC	0.85	0.85
A233LAS	0.87	0.84
A241LAC	0.90	0.36
A241LAS	0.96	0.18
A242LAC	0.93	-0.15
A242LAS	0.99	0.18
A243LAC	0.79	-0.31
A243LAS	0.92	-0.06
A251LAC	0.85	0.56
A251LAS	0.90	0.89
A252LAC	0.81	0.58
A252LAS	0.92	0.84
A253LAC	0.88	0.72
A253LAS	0.92	0.92
A261LAC	0.89	-0.05
A261LAS	1.00	--
A262LAC	0.93	0.03
A262LAS	1.00	--
A263LAC	0.88	0.12
A263LAS	0.98	0.13
A271LAC	0.93	-0.25
A271LAS	1.00	--
A272LAC	0.87	0.17
A272LAS	1.00	--
A273LAC	0.80	0.02
A273LAS	1.00	--
A281LAC	0.60	0.78
A281LAS	0.92	0.98
A282LAC	0.52	0.63
A282LAS	0.83	0.69
A283LAC	0.58	0.70
A283LAS	0.92	0.98
A311LAC	0.83	-0.22
A311LAS	1.00	--
A312LAC	0.88	0.14
A312LAS	1.00	--
A313LAC	0.85	0.26

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
		continued
A313LAS	0.97	-0.49
A321LAC	0.88	-0.28
A321LAS	0.90	-0.09
A322LAC	0.90	0.20
A322LAS	1.00	--
A323LAC	0.85	0.27
A323LAS	0.93	0.01
A331LAC	0.78	-0.31
A331LAS	0.80	0.08
A332LAC	0.95	-0.25
A332LAS	0.97	0.72
A333LAC	0.88	0.55
A333LAS	0.97	0.72
A341LAC	0.83	0.36
A341LAS	0.98	-0.12
A342LAC	0.81	-0.13
A342LAS	1.00	--
A343LAC	0.84	0.15
A343LAS	0.98	-0.12
A351LAC	0.83	0.43
A351LAS	1.00	--
A352LAC	0.88	-0.17
A352LAS	1.00	--
A353LAC	0.84	0.24
A353LAS	1.00	--
A361LAC		
A361LAS		
A362LAC		
A362LAS		
A363LAC		
A363LAS		
A371LAC	0.77	0.06
A371LAS	1.00	--
A372LAC	0.84	-0.05
A372LAS	1.00	--
A373LAC	0.88	0.29
A373LAS	1.00	--
A381LAC	0.81	0.60
A381LAS	1.00	--
A382LAC	0.91	0.63
A382LAS	0.98	0.76
A383LAC	0.75	0.30
A383LAS	1.00	--

Note: Statistics are only presented for items that were taken by 10 or more students.

**Table F-15. 2009–10 PAAP: Item-Level Classical Test Theory Statistics – Science Grade 5**

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
D111LAC	0.78	0.56
D111LAS	0.90	0.47
D112LAC	0.78	0.54
D112LAS	0.90	0.47

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
		continued
D121LAC	0.98	0.03
D121LAS	1.00	--
D122LAC	0.96	0.22
D122LAS	1.00	--
D131LAC		
D131LAS		
D132LAC		
D132LAS		
D141LAC		
D141LAS		
D142LAC		
D142LAS		
D211LAC	0.74	0.50
D211LAS	0.87	0.39
D212LAC	0.69	0.56
D212LAS	0.89	0.47
D221LAC	0.92	0.06
D221LAS	0.98	-0.02
D222LAC	0.96	0.30
D222LAS	0.97	0.03
D311LAC	0.85	0.51
D311LAS	1.00	--
D312LAC	0.83	0.44
D312LAS	1.00	--
D321LAC	0.82	0.40
D321LAS	1.00	--
D322LAC	0.89	-0.28
D322LAS	1.00	--
D331LAC	0.92	0.08
D331LAS	0.97	0.21
D332LAC	0.98	0.10
D332LAS	0.99	-0.12
D341LAC	0.99	0.01
D341LAS	0.98	0.12
D342LAC	0.98	0.09
D342LAS	0.98	0.12
D411LAC		
D411LAS		
D412LAC		
D412LAS		
D421LAC		
D421LAS		
D422LAC		
D422LAS		
D431LAC	0.93	0.62
D431LAS	1.00	--
D432LAC	0.93	0.43
D432LAS	0.98	0.69
D441LAC	0.98	0.16
D441LAS	0.96	0.08
D442LAC	0.97	0.11

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
		continued
D442LAS	0.98	0.03
E111LAC	0.70	0.80
E111LAS	0.96	0.70
E112LAC	0.73	0.87
E112LAS	0.96	0.70
E121LAC	0.96	0.29
E121LAS	1.00	--
E122LAC	0.96	-0.06
E122LAS	1.00	--
E131LAC	0.98	0.28
E131LAS	1.00	--
E132LAC	0.89	0.24
E132LAS	1.00	--
E141LAC	0.97	0.51
E141LAS	1.00	--
E142LAC	0.89	0.68
E142LAS	0.98	0.62
E211LAC	0.71	0.73
E211LAS	0.94	0.85
E212LAC	0.73	0.89
E212LAS	0.94	0.85
E221LAC	0.89	0.28
E221LAS	1.00	--
E222LAC	0.80	0.06
E222LAS	1.00	--
E231LAC	0.91	-0.16
E231LAS	0.97	0.25
E232LAC	0.93	-0.05
E232LAS	1.00	--
E311LAC	0.77	0.83
E311LAS	0.86	0.75
E312LAC	0.75	0.90
E312LAS	0.86	0.75
E321LAC		
E321LAS		
E322LAC		
E322LAS		
E331LAC	0.93	0.52
E331LAS	0.97	0.05
E332LAC	0.92	0.20
E332LAS	0.98	0.13
E341LAC	0.95	0.15
E341LAS	0.98	-0.05
E342LAC	0.90	0.16
E342LAS	0.98	0.01
E411LAC		
E411LAS		
E412LAC		
E412LAS		
E421LAC		
E421LAS		

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
		continued
E422LAC		
E422LAS		
E431LAC	0.86	0.37
E431LAS	0.91	0.56
E432LAC	0.86	0.51
E432LAS	0.95	0.59
E511LAC		
E511LAS		
E512LAC		
E512LAS		
E521LAC		
E521LAS		
E522LAC		
E522LAS		
E531LAC	0.92	-0.16
E531LAS	1.00	--
E532LAC	0.98	-0.12
E532LAS	1.00	--
E541LAC		
E541LAS		
E542LAC		
E542LAS		

Note: Statistics are only presented for items that were taken by 10 or more students.

**Table F-16. 2009–10 PAAP: Item-Level Classical Test Theory Statistics – Science Grade 8**

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
D111LAC		
D111LAS		
D112LAC		
D112LAS		
D121LAC	0.96	0.07
D121LAS	1.00	--
D122LAC	0.97	0.21
D122LAS	0.98	0.14
D141LAC		
D141LAS		
D142LAC		
D142LAS		
D151LAC	0.96	0.08
D151LAS	1.00	--
D152LAC	0.95	0.27
D152LAS	0.96	0.55
D211LAC		
D211LAS		
D212LAC		
D212LAS		
D221LAC	0.84	0.22
D221LAS	0.93	0.27
D222LAC	0.91	0.45
D222LAS	0.98	0.48
D311LAC		

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
		continued
D311LAS		
D312LAC		
D312LAS		
D321LAC		
D321LAS		
D322LAC		
D322LAS		
D331LAC	0.98	0.30
D331LAS	0.98	0.12
D332LAC	0.98	0.49
D332LAS	0.98	0.12
D341LAC	0.96	-0.22
D341LAS	0.94	0.60
D342LAC	0.99	-0.15
D342LAS	0.96	0.14
D351LAC	0.87	0.21
D351LAS	0.98	0.46
D352LAC	0.95	0.39
D352LAS	0.96	0.31
D361LAC	0.92	0.08
D361LAS	0.97	0.29
D362LAC	0.98	-0.16
D362LAS	0.97	0.39
D411LAC		
D411LAS		
D412LAC		
D412LAS		
D421LAC		
D421LAS		
D422LAC		
D422LAS		
D431LAC	0.88	-0.20
D431LAS	0.92	0.36
D432LAC	0.94	0.62
D432LAS	0.94	0.41
D441LAC	0.99	0.16
D441LAS	0.96	0.26
D442LAC	0.97	0.10
D442LAS	0.98	0.16
E111LAC	0.83	0.55
E111LAS	1.00	--
E112LAC	0.92	0.69
E112LAS	1.00	--
E121LAC		
E121LAS		
E122LAC		
E122LAS		
E131LAC	0.94	0.27
E131LAS	0.99	-0.10
E132LAC	0.93	0.39
E132LAS	0.94	-0.34

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
		continued
E141LAC		
E141LAS		
E142LAC		
E142LAS		
E151LAC	0.93	-0.24
E151LAS	1.00	--
E152LAC	1.00	--
E152LAS	1.00	--
E161LAC	0.88	0.17
E161LAS	0.99	0.02
E162LAC	0.91	0.14
E162LAS	0.99	0.09
E211LAC		
E211LAS		
E212LAC		
E212LAS		
E221LAC		
E221LAS		
E222LAC		
E222LAS		
E231LAC	0.93	-0.06
E231LAS	0.92	0.11
E232LAC	0.94	0.17
E232LAS	0.92	0.11
E311LAC		
E311LAS		
E312LAC		
E312LAS		
E321LAC		
E321LAS		
E322LAC		
E322LAS		
E331LAC		
E331LAS		
E332LAC		
E332LAS		
E341LAC	0.86	-0.02
E341LAS	0.98	-0.02
E342LAC	0.85	0.17
E342LAS	0.97	0.15
E351LAC		
E351LAS		
E352LAC		
E352LAS		
E411LAC		
E411LAS		
E412LAC		
E412LAS		
E421LAC		
E421LAS		
E422LAC		

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
		continued
E422LAS		
E431LAC	0.94	0.11
E431LAS	0.96	0.05
E432LAC	0.90	0.41
E432LAS	0.96	0.05
E451LAC	0.91	0.21
E451LAS	0.97	0.47
E452LAC	0.97	-0.18
E452LAS	0.98	0.31
E511LAC		
E511LAS		
E512LAC		
E512LAS		
E521LAC		
E521LAS		
E522LAC		
E522LAS		
E531LAC		
E531LAS		
E532LAC		
E532LAS		
E541LAC		
E541LAS		
E542LAC		
E542LAS		
E551LAC		
E551LAS		
E552LAC		
E552LAS		
E561LAC	0.93	0.16
E561LAS	1.00	--
E562LAC	0.92	-0.49
E562LAS	1.00	--

Note: Statistics are only presented for items that were taken by 10 or more students.

**Table F-17. 2009–10 PAAP: Item-Level Classical Test Theory Statistics – Science High School**

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
D111LAC	0.83	-0.40
D111LAS	0.90	-0.18
D112LAC	0.83	0.29
D112LAS	0.90	0.13
D121LAC	0.88	0.61
D121LAS	0.85	0.53
D122LAC	0.78	0.69
D122LAS	0.81	0.53
D131LAC		
D131LAS		
D132LAC		
D132LAS		
D141LAC		
D141LAS		

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
		continued
D142LAC		
D142LAS		
D151LAC	0.94	-0.03
D151LAS	0.95	0.11
D152LAC	0.92	0.27
D152LAS	0.96	-0.01
D181LAC	1.00	--
D181LAS	1.00	--
D182LAC	0.92	0.47
D182LAS	1.00	--
D211LAC		
D211LAS		
D212LAC		
D212LAS		
D221LAC	0.86	0.56
D221LAS	0.96	0.56
D222LAC	0.85	0.73
D222LAS	0.87	0.73
D311LAC	0.84	0.15
D311LAS	1.00	--
D312LAC	0.82	0.25
D312LAS	0.93	0.26
D321LAC		
D321LAS		
D322LAC		
D322LAS		
D331LAC		
D331LAS		
D332LAC		
D332LAS		
D341LAC	0.91	0.38
D341LAS	0.91	0.51
D342LAC	0.94	0.49
D342LAS	0.88	0.41
D351LAC	0.90	0.07
D351LAS	0.94	-0.07
D352LAC	0.97	0.30
D352LAS	0.99	-0.23
D361LAC	0.85	-0.04
D361LAS	1.00	--
D362LAC	0.95	-0.12
D362LAS	1.00	--
D371LAC		
D371LAS		
D372LAC		
D372LAS		
D381LAC	0.86	0.23
D381LAS	1.00	--
D382LAC	0.88	0.44
D382LAS	0.95	0.76
D411LAC		

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
		continued
D411LAS		
D412LAC		
D412LAS		
D421LAC		
D421LAS		
D422LAC		
D422LAS		
D431LAC		
D431LAS		
D432LAC		
D432LAS		
D441LAC	0.95	0.00
D441LAS	0.89	0.04
D442LAC	0.96	0.15
D442LAS	0.95	0.08
D471LAC	0.96	-0.05
D471LAS	0.99	0.09
D472LAC	0.99	-0.04
D472LAS	1.00	--
E111LAC	0.83	0.29
E111LAS	0.92	0.13
E112LAC	0.77	0.32
E112LAS	0.95	0.17
E121LAC	0.98	0.37
E121LAS	1.00	--
E122LAC	0.98	0.37
E122LAS	1.00	--
E131LAC	0.94	-0.06
E131LAS	1.00	--
E132LAC	0.88	-0.07
E132LAS	1.00	--
E141LAC		
E141LAS		
E142LAC		
E142LAS		
E151LAC	0.99	-0.09
E151LAS	0.96	0.38
E152LAC	0.99	-0.12
E152LAS	1.00	--
E161LAC	0.88	0.39
E161LAS	0.98	0.00
E162LAC	0.92	0.20
E162LAS	1.00	--
E171LAC	0.91	0.24
E171LAS	0.97	0.45
E172LAC	0.95	0.09
E172LAS	0.97	0.45
E181LAC	0.91	0.28
E181LAS	0.98	-0.05
E182LAC	0.88	0.48
E182LAS	0.98	-0.05

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
		continued
E211LAC	0.88	0.12
E211LAS	1.00	--
E212LAC	0.85	0.03
E212LAS	1.00	--
E221LAC	0.89	0.51
E221LAS	0.91	0.47
E222LAC	0.86	0.56
E222LAS	0.91	0.47
E231LAC	0.93	0.24
E231LAS	0.95	0.37
E232LAC	0.94	0.11
E232LAS	0.94	0.32
E271LAC	0.84	0.26
E271LAS	1.00	--
E272LAC	0.93	0.47
E272LAS	1.00	--
E311LAC		
E311LAS		
E312LAC		
E312LAS		
E321LAC		
E321LAS		
E322LAC		
E322LAS		
E331LAC		
E331LAS		
E332LAC		
E332LAS		
E341LAC	0.89	-0.28
E341LAS	0.97	0.08
E342LAC	0.86	0.25
E342LAS	0.98	0.13
E351LAC		
E351LAS		
E352LAC		
E352LAS		
E411LAC		
E411LAS		
E412LAC		
E412LAS		
E421LAC		
E421LAS		
E422LAC		
E422LAS		
E431LAC	0.98	0.09
E431LAS	0.97	0.02
E432LAC	0.92	0.05
E432LAS	0.94	-0.20
E451LAC	0.93	0.00
E451LAS	0.99	0.27
E452LAC	0.93	0.15

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
		continued
E452LAS	1.00	--
E471LAC		
E471LAS		
E472LAC		
E472LAS		
E481LAC		
E481LAS		
E482LAC		
E482LAS		
E511LAC		
E511LAS		
E512LAC		
E512LAS		
E521LAC		
E521LAS		
E522LAC		
E522LAS		
E531LAC		
E531LAS		
E532LAC		
E532LAS		
E541LAC		
E541LAS		
E542LAC		
E542LAS		
E551LAC		
E551LAS		
E552LAC		
E552LAS		
E561LAC		
E561LAS		
E562LAC		
E562LAS		
E571LAC		
E571LAS		
E572LAC		
E572LAS		
E581LAC	0.94	-0.03
E581LAS	0.97	0.24
E582LAC	0.79	-0.24
E582LAS	0.97	0.24

Note: Statistics are only presented for items that were taken by 10 or more students.

**Table F-18. 2009–10 PAAP: Item-Level Classical Test Theory Statistics – Writing Grade 4**

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
B211LAC	0.87	0.92
B211LAS	0.94	0.90
B212LAC	0.85	0.90
B212LAS	0.94	0.90
B213LAC	0.82	0.83
B213LAS	0.93	0.91

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
		continued
B221LAC	0.97	0.07
B221LAS	0.97	0.32
B222LAC	0.84	0.74
B222LAS	0.91	0.68
B223LAC	0.94	0.49
B223LAS	0.94	0.62
B231LAC	0.84	0.78
B231LAS	0.96	0.43
B232LAC	0.88	0.69
B232LAS	0.98	0.29
B233LAC	0.87	0.67
B233LAS	0.95	0.41
B241LAC	0.94	0.73
B241LAS	0.98	0.21
B242LAC	0.89	0.72
B242LAS	0.98	0.21
B243LAC	0.88	0.87
B243LAS	0.98	0.21
B311LAC	0.84	0.99
B311LAS	1.00	--
B312LAC	0.89	0.85
B312LAS	0.97	0.75
B313LAC	0.71	0.77
B313LAS	0.97	0.75
B321LAC	0.93	0.66
B321LAS	1.00	--
B322LAC	0.95	0.83
B322LAS	1.00	--
B323LAC	0.90	0.64
B323LAS	0.87	0.08
B331LAC	0.99	--
B331LAS	1.00	--
B332LAC	0.99	--
B332LAS	0.99	--
B333LAC	1.00	--
B333LAS	1.00	--
B341LAC	0.97	0.53
B341LAS	0.97	-0.10
B342LAC	0.97	0.53
B342LAS	1.00	--
B343LAC	0.94	0.62
B343LAS	1.00	--

Note: Statistics are only presented for items that were taken by 10 or more students.

**Table F-19. 2009–10 PAAP: Item-Level Classical Test Theory Statistics – Writing Grade 7**

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
B211LAC	0.80	0.86
B211LAS	0.92	0.81
B212LAC	0.79	0.74
B212LAS	0.92	0.81
B213LAC	0.79	0.81

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
		continued
B213LAS	0.92	0.81
B221LAC	1.00	--
B221LAS	0.95	0.41
B222LAC	0.93	0.70
B222LAS	0.93	0.46
B223LAC	1.00	--
B223LAS	0.95	0.55
B231LAC	0.97	0.50
B231LAS	0.98	0.55
B232LAC	0.88	0.74
B232LAS	0.94	0.44
B233LAC	0.94	0.52
B233LAS	0.95	0.50
B241LAC	0.95	0.68
B241LAS	0.95	0.07
B242LAC	0.88	0.73
B242LAS	0.96	0.18
B243LAC	0.92	0.72
B243LAS	0.98	0.39
B251LAC	0.99	-0.06
B251LAS	0.98	1.00
B252LAC	0.97	-0.09
B252LAS	0.98	1.00
B253LAC	1.00	--
B253LAS	0.98	1.00
B261LAC	1.00	--
B261LAS	1.00	--
B262LAC	1.00	--
B262LAS	1.00	--
B263LAC	0.99	--
B263LAS	1.00	--
B311LAC		
B311LAS		
B312LAC		
B312LAS		
B313LAC		
B313LAS		
B321LAC	0.96	0.19
B321LAS	0.94	0.89
B322LAC	0.96	0.94
B322LAS	0.94	0.89
B323LAC	0.94	0.40
B323LAS	0.97	-0.13
B331LAC	0.98	1.00
B331LAS	1.00	--
B332LAC	0.96	0.67
B332LAS	1.00	--
B333LAC	1.00	--
B333LAS	1.00	--
B341LAC	0.93	0.53
B341LAS	1.00	--

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
		continued
B342LAC	0.98	0.38
B342LAS	1.00	--
B343LAC	0.90	0.93
B343LAS	0.96	0.14
B351LAC	0.85	0.71
B351LAS	0.98	0.24
B352LAC	0.82	0.63
B352LAS	0.97	0.35
B353LAC	0.88	0.83
B353LAS	0.97	0.03
B361LAC	0.83	0.91
B361LAS	1.00	--
B362LAC	0.85	0.46
B362LAS	1.00	--
B363LAC	0.87	0.64
B363LAS	1.00	--

Note: Statistics are only presented for items that were taken by 10 or more students.

**Table F-20. 2009–10 PAAP: Item-Level Classical Test Theory Statistics – Writing High School**

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
B211LAC	0.85	0.82
B211LAS	0.97	0.71
B212LAC	0.86	0.69
B212LAS	0.97	0.71
B213LAC	0.82	0.74
B213LAS	0.97	0.71
B221LAC	0.98	--
B221LAS	0.93	--
B222LAC	0.98	--
B222LAS	0.93	--
B223LAC	0.98	--
B223LAS	0.93	--
B231LAC	0.82	0.76
B231LAS	0.84	0.73
B232LAC	0.93	0.60
B232LAS	0.93	0.17
B233LAC	0.91	0.48
B233LAS	0.91	0.55
B241LAC	0.98	0.68
B241LAS	0.97	0.11
B242LAC	0.92	0.85
B242LAS	0.99	0.27
B243LAC	0.92	0.85
B243LAS	0.99	0.27
B251LAC	0.98	-0.08
B251LAS	0.97	1.00
B252LAC	0.98	-0.08
B252LAS	0.97	1.00
B253LAC	0.98	-0.08
B253LAS	0.90	0.81
B261LAC	0.94	0.75

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
		continued
B261LAS	0.97	0.25
B262LAC	0.92	0.63
B262LAS	0.97	0.25
B263LAC	0.79	0.89
B263LAS	0.97	0.25
B271LAC	0.91	0.98
B271LAS	0.98	-0.13
B272LAC	0.91	0.65
B272LAS	1.00	--
B273LAC	0.91	0.83
B273LAS	1.00	--
B281LAC	0.92	0.72
B281LAS	1.00	--
B282LAC	0.85	0.86
B282LAS	1.00	--
B283LAC	0.79	0.81
B283LAS	1.00	--
B311LAC	0.75	0.73
B311LAS	0.89	0.67
B312LAC	0.81	0.92
B312LAS	0.89	0.67
B313LAC	0.63	0.66
B313LAS	0.78	0.68
B321LAC	0.88	0.88
B321LAS	0.94	0.91
B322LAC	0.90	0.99
B322LAS	0.94	0.91
B323LAC	0.83	0.87
B323LAS	0.94	0.91
B331LAC	0.93	0.96
B331LAS	0.92	0.95
B332LAC	0.93	0.97
B332LAS	0.90	0.91
B333LAC	0.85	0.74
B333LAS	0.84	0.72
B341LAC	0.87	0.86
B341LAS	0.87	0.80
B342LAC	0.92	0.95
B342LAS	0.90	0.91
B343LAC	0.81	0.73
B343LAS	0.78	0.65
B351LAC	0.90	0.45
B351LAS	0.97	0.47
B352LAC	0.86	0.57
B352LAS	0.95	0.12
B353LAC	0.84	0.61
B353LAS	0.99	0.51
B361LAC		
B361LAS		
B362LAC		
B362LAS		

<i>Item number</i>	<i>Difficulty</i>	<i>Discrimination</i>
		continued
B363LAC		
B363LAS		
B371LAC		
B371LAS		
B372LAC		
B372LAS		
B373LAC		
B373LAS		
B381LAC		
B381LAS		
B382LAC		
B382LAS		
B383LAC		
B383LAS		

Note: Statistics are only presented for items that were taken by 10 or more students.

