

**Iowa Testing Programs**  
**Iowa Assessments, Form E & F**  
**Data Record Description**

File Name: Student Data on CD-ROM Record Length: 2167  
Record Name: Iowa Assessments, Form E & F Delimited Column Count: 388  
RPC06

Delimited Column	Field Positions		Max Field Length	Description	Comments	Column Headers
1	1	30	30	System Name		1 SYSTEM NAME
2	31	60	30	Building Name		2 BLDG NAME
3	61	75	15	Building Code		3 BLDG CODE
4	76	105	30	Class Name		4 CLASS NAME
5	106	120	15	Class Code		5 CLASS CODE
6	121	124	4	Grade	0, 1, 2, . . . 12.	6 GRADE
7	125	132	8	Date Tested	MMDDYYYY	7 DATE TESTED
8	133	152	20	Student Last Name	Left-justified	8 LAST NAME
9	153	172	20	Student First Name	Left-justified	9 FIRST NAME
10	173	173	1	Gender	F = Female, M = Male	10 GENDER
11	174	175	2	Month of Birth	Month	11 MONTH OF BIRTH
12	176	177	2	Day of Birth	Day	12 DAY OF BIRTH
13	178	181	4	Year of Birth	Year	13 YEAR OF BIRTH
14	182	191	10	State Student ID		14 STUDENT ID
15	192	192	1	Filler		15 1
16	193	194	2	Level	Show leading zero for 6, 7, 8, and 9. 06 = 05/06 07 08 09 10 11 12 13 14 15 16 17 = 17/18	16 LEVEL
17	195	195	1	Form	E or F	17 FORM
18	196	202	7	Quartermonth	Fall, Midyear, Spring, or Quartermonth as MM/DD	18 QUARTERMONTH
19	203	203	1	Online Test Administration	O = Online, blank = Paper Administration (For future reporting. Not currently available.)	19 ONLINE
20	204	204	1	Braille Indicator on Form	1 = Marked, 0 = Omit (Blank)	20 BRAILLE
21	205	208	4	Age in Years/Months	YYMM; Blank = Date of Birth omitted or invalid	21 AGE YEAR-MO
22	209	209	1	ADM Z Value	0-9, Omit = Blank, Multiple Mark = Blank	22 Z
23-52	210	269	60	Raw Scores for Tests	30 slots for Raw Scores (2 digits each). Raw Scores only exist for Tests. Blank = Total or Composite Blank = Test not taken, not included in the test level, or attempted criteria not met. (See Appendix A; Slots 27-30 are Reserved/Blank)	23.1 RS R 23.2 RS V

Delimited Column	Field Positions		Max Field Length	Description	Comments	Column Headers
						23.3 RS SP
						23.4 RS CP
						23.5 RS PC
						23.6 RS L-WE
						23.7 RS CW
						23.8 RS ET
						23.9 RS WA
						23.10 RS Li
						23.11 RS XET
						23.12 RS M
						23.13 RS MC
						23.14 RS MT
						23.15 RS CT
						23.16 RS XCT
						23.17 RS CT-
						23.18 RS XCT-
						23.19 RS SS
						23.20 RS SC
						23.21 RS CC
						23.22 RS XCC
						23.23 RS CC-
						23.24 RS XCC-
						23.25 RS RW
						23.26 RS RC
						23.27 RS unused
						23.28 RS unused
						23.29 RS unused
						23.30 RS unused
53-112	270	389	120	Raw Scores for Skill Domains with Cognitive Levels	60 slots for Raw Scores for Skill Domains with Cognitive Levels (2 digits each). Blank = Test not taken (so skills not taken), not included in the test level, or attempted criteria not met. (See Appendix C)	24.1 RS SK1
						24.2 RS SK2
						24.3 RS SK3
						24.4 RS SK4
						24.5 RS SK5
						24.6 RS SK6
						24.7 RS SK7
						24.8 RS SK8
						24.9 RS SK9
						24.10 RS SK10
						24.11 RS SK11
						24.12 RS SK12
						24.13 RS SK13
						24.14 RS SK14
						24.15 RS SK15
						24.16 RS SK16
						24.17 RS SK17
						24.18 RS SK18

Delimited Column	Field Positions		Max Field Length	Description	Comments	Column Headers
						24.19 RS SK19
						24.20 RS SK20
						24.21 RS SK21
						24.22 RS SK22
						24.23 RS SK23
						24.24 RS SK24
						24.25 RS SK25
						24.26 RS SK26
						24.27 RS SK27
						24.28 RS SK28
						24.29 RS SK29
						24.30 RS SK30
						24.31 RS SK31
						24.32 RS SK32
						24.33 RS SK33
						24.34 RS SK34
						24.35 RS SK35
						24.36 RS SK36
						24.37 RS SK37
						24.38 RS SK38
						24.39 RS SK39
						24.40 RS SK40
						24.41 RS SK41
						24.42 RS SK42
						24.43 RS SK43
						24.44 RS SK44
						24.45 RS SK45
						24.46 RS SK46
						24.47 RS SK47
						24.48 RS SK48
						24.49 RS SK49
						24.50 RS SK50
						24.51 RS SK51
						24.52 RS SK52
						24.53 RS SK53
						24.54 RS SK54
						24.55 RS SK55
						24.56 RS SK56
						24.57 RS SK57
						24.58 RS SK58
						24.59 RS SK59
						24.60 RS SK60
113-172	390	569	180	Percent Correct for Skill Domains with Cognitive Levels	60 slots for Percent Correct for Skill Domains with Cognitive Levels (3 digits each). Blank = Test not taken (so skills not taken), not included in the test level, or attempted criteria not met. (See Appendix C)	25.1 PC SK1
						25.2 PC SK2
						25.3 PC SK3
						25.4 PC SK4

Delimited Column	Field Positions	Max Field Length	Description	Comments	Column Headers
					25.5 PC SK5
					25.6 PC SK6
					25.7 PC SK7
					25.8 PC SK8
					25.9 PC SK9
					25.10 PC SK10
					25.11 PC SK11
					25.12 PC SK12
					25.13 PC SK13
					25.14 PC SK14
					25.15 PC SK15
					25.16 PC SK16
					25.17 PC SK17
					25.18 PC SK18
					25.19 PC SK19
					25.20 PC SK20
					25.21 PC SK21
					25.22 PC SK22
					25.23 PC SK23
					25.24 PC SK24
					25.25 PC SK25
					25.26 PC SK26
					25.27 PC SK27
					25.28 PC SK28
					25.29 PC SK29
					25.30 PC SK30
					25.31 PC SK31
					25.32 PC SK32
					25.33 PC SK33
					25.34 PC SK34
					25.35 PC SK35
					25.36 PC SK36
					25.37 PC SK37
					25.38 PC SK38
					25.39 PC SK39
					25.40 PC SK40
					25.41 PC SK41
					25.42 PC SK42
					25.43 PC SK43
					25.44 PC SK44
					25.45 PC SK45
					25.46 PC SK46
					25.47 PC SK47
					25.48 PC SK48
					25.49 PC SK49
					25.50 PC SK50
					25.51 PC SK51
					25.52 PC SK52
					25.53 PC SK53
					25.54 PC SK54

Delimited Column	Field Positions		Max Field Length	Description	Comments	Column Headers
						25.55 PC SK55
						25.56 PC SK56
						25.57 PC SK57
						25.58 PC SK58
						25.59 PC SK59
						25.60 PC SK60
173-202	570	659	90	National Standard Score	30 slots for Standard Score (3 digits each). Blank = Test not taken, not included in the test level, or attempted criteria not met. (See Appendix A; Slots 27-30 are Reserved/Blank)	26.1 NSS R
						26.2 NSS V
						26.3 NSS SP
						26.4 NSS CP
						26.5 NSS PC
						26.6 NSS L-WE
						26.7 NSS CW
						26.8 NSS ET
						26.9 NSS WA
						26.10 NSS Li
						26.11 NSS XET
						26.12 NSS M
						26.13 NSS MC
						26.14 NSS MT
						26.15 NSS CT
						26.16 NSS XCT
						26.17 NSS CT-
						26.18 NSS XCT-
						26.19 NSS SS
						26.20 NSS SC
						26.21 NSS CC
						26.22 NSS XCC
						26.23 NSS CC-
						26.24 NSS XCC-
						26.25 NSS RW
						26.26 NSS RC
						26.27 NSS unused
						26.28 NSS unused
						26.29 NSS unused
						26.30 NSS unused
203-232	660	779	120	National Grade Equivalent	30 slots for Grade Equivalent (4 digits each -- 2 digits, decimal, 1 digit). Pre-K = P.0 - P.9; K = K.0 - K.9, all others 1.0 - 13.0 Blank = Test not taken, not included in the test level, or attempted criteria not met. (See Appendix A; Slots 27-30 are Reserved/Blank)	27.1 NGE R
						27.2 NGE V
						27.3 NGE SP
						27.4 NGE CP
						27.5 NGE PC
						27.6 NGE L-WE

Delimited Column	Field Positions		Max Field Length	Description	Comments	Column Headers
						27.7 NGE CW
						27.8 NGE ET
						27.9 NGE WA
						27.10 NGE Li
						27.11 NGE XET
						27.12 NGE M
						27.13 NGE MC
						27.14 NGE MT
						27.15 NGE CT
						27.16 NGE XCT
						27.17 NGE CT-
						27.18 NGE XCT-
						27.19 NGE SS
						27.20 NGE SC
						27.21 NGE CC
						27.22 NGE XCC
						27.23 NGE CC-
						27.24 NGE XCC-
						27.25 NGE RW
						27.26 NGE RC
						27.27 NGE unused
						27.28 NGE unused
						27.29 NGE unused
						27.30 NGE unused
233-262	780	839	60	National Percentile Rank	30 slots for National Percentile Rank (2 digits each). Blank = Test not taken, not included in the test level, or attempted criteria not met. (See Appendix A; Slots 27-30 are Reserved/Blank)	28.1 NPR R
						28.2 NPR V
						28.3 NPR SP
						28.4 NPR CP
						28.5 NPR PC
						28.6 NPR L-WE
						28.7 NPR CW
						28.8 NPR ET
						28.9 NPR WA
						28.10 NPR Li
						28.11 NPR XET
						28.12 NPR M
						28.13 NPR MC
						28.14 NPR MT
						28.15 NPR CT
						28.16 NPR XCT
						28.17 NPR CT-
						28.18 NPR XCT-
						28.19 NPR SS
						28.20 NPR SC
						28.21 NPR CC
						28.22 NPR XCC
						28.23 NPR CC-

Delimited Column	Field Positions		Max Field Length	Description	Comments	Column Headers
						28.24 NPR XCC-
						28.25 NPR RW
						28.26 NPR RC
						28.27 NPR unused
						28.28 NPR unused
						28.29 NPR unused
						28.30 NPR unused
263-292	840	929	90	Iowa Standard Score	30 slots for ISS (3 digits each). Blank = Test not taken, not included in the test level, or attempted criteria not met. (See Appendix A; Slots 27-30 are Reserved/Blank)	29.1 ISS R
						29.2 ISS V
						29.3 ISS SP
						29.4 ISS CP
						29.5 ISS PC
						29.6 ISS L-WE
						29.7 ISS CW
						29.8 ISS ET
						29.9 ISS WA
						29.10 ISS Li
						29.11 ISS XET
						29.12 ISS M
						29.13 ISS MC
						29.14 ISS MT
						29.15 ISS CT
						29.16 ISS XCT
						29.17 ISS CT-
						29.18 ISS XCT-
						29.19 ISS SS
						29.20 ISS SC
						29.21 ISS CC
						29.22 ISS XCC
						29.23 ISS CC-
						29.24 ISS XCC-
						29.25 ISS RW
						29.26 ISS RC
						29.27 ISS unused
						29.28 ISS unused
						29.29 ISS unused
						29.30 ISS unused
293-322	930	1049	120	Iowa Grade Equivalent	30 slots for IGE (4 digits each -- 2 digits, decimal, 1 digit). Pre-K = P.0 - P.9; K = K.0 - K.9, all others 1.0 - 13.0 Blank = Test not taken, not included in the test level, or attempted criteria not met. (See Appendix A; Slots 27-30 are Reserved/Blank)	30.1 IGE R
						30.2 IGE V
						30.3 IGE SP
						30.4 IGE CP
						30.5 IGE PC

Delimited Column	Field Positions		Max Field Length	Description	Comments	Column Headers
						30.6 IGE L-WE
						30.7 IGE CW
						30.8 IGE ET
						30.9 IGE WA
						30.10 IGE Li
						30.11 IGE XET
						30.12 IGE M
						30.13 IGE MC
						30.14 IGE MT
						30.15 IGE CT
						30.16 IGE XCT
						30.17 IGE CT-
						30.18 IGE XCT-
						30.19 IGE SS
						30.20 IGE SC
						30.21 IGE CC
						30.22 IGE XCC
						30.23 IGE CC-
						30.24 IGE XCC-
						30.25 IGE RW
						30.26 IGE RC
						30.27 IGE unused
						30.28 IGE unused
						30.29 IGE unused
						30.30 IGE unused
323-352	1050	1109	60	Iowa Percentile Rank	30 slots for Iowa Percentile Rank (2 digits each). Blank = Test not taken, not included in the test level, or attempted criteria not met. (See Appendix A; Slots 27-30 are Reserved/Blank)	31.1 IPR R
						31.2 IPR V
						31.3 IPR SP
						31.4 IPR CP
						31.5 IPR PC
						31.6 IPR L-WE
						31.7 IPR CW
						31.8 IPR ET
						31.9 IPR WA
						31.10 IPR Li
						31.11 IPR XET
						31.12 IPR M
						31.13 IPR MC
						31.14 IPR MT
						31.15 IPR CT
						31.16 IPR XCT
						31.17 IPR CT-
						31.18 IPR XCT-
						31.19 IPR SS
						31.20 IPR SC
						31.21 IPR CC
						31.22 IPR XCC



Delimited Column	Field Positions		Max Field Length	Description	Comments	Column Headers
						31.23 IPR CC-
						31.24 IPR XCC-
						31.25 IPR RW
						31.26 IPR RC
						31.27 IPR unused
						31.28 IPR unused
						31.29 IPR unused
						31.30 IPR unused
353	1110	1112	3	Predicted SAT Verbal - High		32 PRED SAT-V HIGH
354	1113	1115	3	Predicted SAT Verbal - Low		33 PRED SAT-V LOW
355	1116	1118	3	Predicted SAT Math - High		34 PRED SAT-M HIGH
356	1119	1121	3	Predicted SAT Math - Low		35 PRED SAT-M LOW
357	1122	1124	3	Predicted ACT - High		36 PRED ACT HIGH
358	1125	1127	3	Predicted ACT - Low		37 PRED ACT LOW
359	1128	2027	900	Item Responses	Correct = A, B, C, D, E Incorrect = 1, 2, 3, 4, 5 Multiple = * Omit = 0 (See Appendix B)	38 ITEM RESPONSES
360	2028	2041	14	Ethnicity String 14 positions	Each position: 1 = Marked, 0 = Omit (Blank): 2028 = American Indian or Alaska Native 2029 = Asian 2030 = Black or African American 2031 = Hispanic or Latino 2032 = Hawaiian/Pacific Islander 2033 = White 2034 = Other 2035-2040 Not Used 2041 = Reserved	39 ETHNICITY
361	2042	2062	21	Programs String 21 positions	Each position: 1 = Marked, 0 = Omit (Blank): 2042 = Reserved 2043 = 504 2044 = IEP (Note: From SE from the barcode) 2045 = Gifted & Talented 2046 = Free/Reduced Lunch 2047 = ELL/LEP 2048 = Migrant 2049 = Title 1 Math 2050 = Title 1 Language 2051 = Foster Care 2052 = Homeless 2053-62 Filler (blanks)	40 PROGRAMS
362	2063	2064	2	Title I 2 positions	Each position: 1 = Marked, 0 = Omit (Blank) 2063 = Math 2064 = Language	41 TITLE 1
363	2065	2067	3	Other Info Field 1 Value	Each position: 0-9, Omit = Blank, Multiple Mark = *	42 OTHER 1
364	2068	2070	3	Other Info Field 2 Value	Each position: 0-9, Omit = Blank, Multiple Mark = *	43 OTHER 2
365	2071	2073	3	Other Info Field 3 Value	Each position: 0-9, Omit = Blank, Multiple Mark = *	44 OTHER 3
366	2074	2093	20	Code Character String (A-T)	Each position: 1 = Marked, 0 = Blank	45 CODE STRING
367	2094	2094	1	ADM A Value	0-9, Blank = Omit, Multiple Mark, or No Bubble =1	46 TEST ADM A

Delimited			Max Field			
Column	Field Positions		Length	Description	Comments	Column Headers
368	2095	2095	1	ADM B Value	0-9, Blank = Omit, Multiple Mark, or No Bubble = 1	47 TEST ADM B
369	2096	2096	1	ADM C Value	0-9, Blank = Omit, Multiple Mark, or No Bubble = 1	48 TEST ADM C
370	2097	2097	1	ADM D Value	0-9, Blank = Omit, Multiple Mark, or No Bubble = 1	49 TEST ADM D
371	2098	2098	1	ADM E Value	0-9, Blank = Omit, Multiple Mark, or No Bubble = 1	50 TEST ADM E
372	2099	2099	1	ADM F Value	0-9, Blank = Omit, Multiple Mark, or No Bubble = 1	51 TEST ADM F
373	2100	2101	2	ADM G Value	0-9, Omit = Blank, Multiple Mark = Blank	52 TEST ADM G
374	2102	2103	2	ADM H Value	0-9, Omit = Blank, Multiple Mark = Blank	53 TEST ADM H
375	2104	2105	2	ADM I Value	0-9, Omit = Blank, Multiple Mark = Blank	54 TEST ADM I
376	2106	2107	2	ADM J Value	0-9, Omit = Blank, Multiple Mark = Blank	55 TEST ADM J
377	2108	2109	2	ADM K Value	0-9, Omit = Blank, Multiple Mark = Blank	56 TEST ADM K
378	2110	2111	2	ADM L Value	0-9, Omit = Blank, Multiple Mark = Blank	57 TEST ADM L
379	2112	2113	2	ADM M Value	0-9, Omit = Blank, Multiple Mark = Blank	58 TEST ADM M
380	2114	2114	1	ADM N Value	0-9, Blank = Omit, Multiple Mark, or No Bubble = 1	59 TEST ADM N
381	2115	2115	1	ADM O Value	0-9, Blank = Omit, Multiple Mark, or No Bubble = 1	60 TEST ADM O
382	2116	2116	1	ADM P Value - Continuous Enrollment	0 - Student not in building or district last year 1 - Student in district but not in building last year 2 - Student in both district and building last year This field is 2 for online testers. NOTE: As of 2013-14, the input to this field is not being validated. Starting last year, it was no longer used for reporting.	61 CONT ENROLLMENT
383	2117	2117	1	Filler		62 1
384	2118	2127	10	Local Student ID		63 LOCAL STUDENT ID
385	2128	2131	4	Resident District	4-digit number (including leading zeroes) or blank This field is blank for online testers.	64 RESIDENT DISTRICT
386	2132	2135	4	Attending School	4-digit number (including leading zeroes) or blank This field is blank for online testers.	65 ATTENDING SCHOOL
387	2136	2137	2	Enrollment Type	2-digit number (including leading zeroes) or blank This field is blank for online testers.	66 ENROLLMENT TYPE
388	2138	2167	30	Order Number	Generated by Riverside when data file is created.	67 ORDER NO

## APPENDIX A

### Slot Definitions Tests, Iowa Assessments Form E & F

Slot	Key	Test
01	R	Reading
02	V	Vocabulary
03	SP	Spelling
04	CP	Capitalization
05	PC	Punctuation
06	L	Language (levels 6-8)
	WE	Written Expression (levels 9-17/18)
07	CW	Conventions of Writing
08	ET	ELA Total
09	WA	Word Analysis
10	Li	Listening
11	XET	Extended ELA Total
12	M	Mathematics (or MT without Comp)
13	MC	Computation
14	MT	Math Total (with Comp)
15	CT	Core Composite (with ELA)
16	XCT	Core Composite (with Extended ELA)
17	CT-	Core Composite (with ELA without Comp)
18	XCT-	Core Composite (with Extended ELA without Comp)
19	SS	Social Studies
20	SC	Science
21	CC	Complete Composite (with ELA)
22	XCC	Complete Composite (with Extended ELA)
23	CC-	Complete Composite (with ELA without Comp)
24	XCC-	Complete Composite (with Extended ELA without Comp)
25	RW	Reading Words
26	RC	Reading Comprehension
27	n/a	Reserved/Blank
28	n/a	Reserved/Blank
29	n/a	Reserved/Blank
30	n/a	Reserved/Blank
*Slots 14, 15, 16, 21, and 22 include Computation		

## APPENDIX B

### Item Responses, Iowa Assessments Form E & F

Test Type	Level	Test	Slot No.	Item Start	Fixed Width File Position	No. of Items
<b>Iowa/Complete</b>	05/06	R	1	1	1128 - 1161	34
		V	2	35	1162 - 1188	27
		L	6	62	1189 - 1219	31
		WA	9	93	1220 - 1252	33
		Li	10	126	1253 - 1279	27
		M	12	153	1280 - 1314	35
<b>Iowa/Complete</b>	7	R	1	1	1128 - 1162	35
		V	2	36	1163 - 1188	26
		L	6	62	1189 - 1222	34
		WA	9	96	1223 - 1254	32
		Li	10	128	1255 - 1281	27
		M	12	155	1282 - 1322	41
		MC	13	196	1323 - 1347	25
		SS	19	221	1348 - 1376	29
		SC	20	250	1377 - 1405	29
<b>Iowa/Complete</b>	8	R	1	1	1128 - 1165	38
		V	2	39	1166 - 1191	26
		L	6	65	1192 - 1233	42
		WA	9	107	1234 - 1266	33
		Li	10	140	1267 - 1293	27
		M	12	167	1294 - 1339	46
		MC	13	213	1340 - 1366	27
		SS	19	240	1367 - 1395	29
SC	20	269	1396 - 1424	29		

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### Item Responses, Iowa Assessments Form E & F

Test Type	Level	Test	Slot No.	Item Start	Fixed Width File Position	No. of Items		
<b>Iowa/Complete</b>	9	R	1	1	1128 - 1168	41		
		V	2	42	1169 - 1197	29		
		SP	3	71	1198 - 1221	24		
		CP	4	95	1222 - 1241	20		
		PC	5	115	1242 - 1261	20		
		WE	6	135	1262 - 1296	35		
		WA	9	170	1297 - 1329	33		
		Li	10	203	1330 - 1357	28		
		M	12	231	1358 - 1407	50		
		MC	13	281	1408 - 1432	25		
		SS	19	306	1433 - 1462	30		
		SC	20	336	1463 - 1492	30		
<b>Iowa/Complete</b>	10	R	1	1	1128 - 1169	42		
		V	2	43	1170 - 1203	34		
		SP	3	77	1204 - 1230	27		
		CP	4	104	1231 - 1252	22		
		PC	5	126	1253 - 1274	22		
		WE	6	148	1275 - 1312	38		
		M	12	186	1313 - 1367	55		
		MC	13	241	1368 - 1394	27		
		SS	19	268	1395 - 1428	34		
				SC	20	302	1429 - 1462	34
		<b>Iowa/Complete</b>	11	R	1	1	1128 - 1170	43
V	2			44	1171 - 1207	37		
SP	3			81	1208 - 1237	30		
CP	4			111	1238 - 1261	24		
PC	5			135	1262 - 1285	24		
WE	6			159	1286 - 1325	40		
M	12			199	1326 - 1385	60		
MC	13			259	1386 - 1414	29		
SS	19			288	1415 - 1451	37		
				SC	20	325	1452 - 1488	37

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### Item Responses, Iowa Assessments Form E & F

Test Type	Level	Test	Slot No.	Item Start	Fixed Width File Position	No. of Items
<b>Iowa/Complete</b>	12	R	1	1	1128 - 1171	44
		V	2	45	1172 - 1210	39
		SP	3	84	1211 - 1242	32
		CP	4	116	1243 - 1267	25
		PC	5	141	1268 - 1292	25
		WE	6	166	1293 - 1335	43
		M	12	209	1336 - 1400	65
		MC	13	274	1401 - 1430	30
		SS	19	304	1431 - 1469	39
		SC	20	343	1470 - 1508	39
<b>Iowa/Complete</b>	13	R	1	1	1128 - 1172	45
		V	2	46	1173 - 1213	41
		SP	3	87	1214 - 1247	34
		CP	4	121	1248 - 1274	27
		PC	5	148	1275 - 1301	27
		WE	6	175	1302 - 1346	45
		M	12	220	1347 - 1416	70
		MC	13	290	1417 - 1447	31
		SS	19	321	1448 - 1488	41
		SC	20	362	1489 - 1529	41
<b>Iowa/Complete</b>	14	R	1	1	1128 - 1173	46
		V	2	47	1174 - 1215	42
		SP	3	89	1216 - 1250	35
		CP	4	124	1251 - 1279	29
		PC	5	153	1280 - 1308	29
		WE	6	182	1309 - 1356	48
		M	12	230	1357 - 1431	75
		MC	13	305	1432 - 1463	32
		SS	19	337	1464 - 1506	43
		SC	20	380	1507 - 1549	43

## APPENDIX B

### Item Responses, Iowa Assessments Form E & F

Test	Level	Test	Slot No.	Item Start	Fixed Width File Position	No. of Items
Iowa/Complete	15, 16, 17/18	R	1	1	1128 - 1167	40
		V	2	41	1168 - 1207	40
		WE	6	81	1208 - 1261	54
		M	12	135	1262 - 1301	40
		MC	13	175	1302 - 1331	30
		SS	19	205	1332 - 1381	50
		SC	20	255	1382 - 1429	48

## APPENDIX C

### Slot Definitions for Skill Domains, Iowa Assessments Form E & F

Level	Test Slot	Test Key	Iowa Assessments	Form E Skill Domain Slot No.	Form F Skill Domain Slot No.	Skill Domain Description
05/06	01	R	Reading	1	1	Words
				2	2	Comprehension
				3	3	Essential Competencies
				4	4	Conceptual Understanding
				5	5	Extended Reasoning
	06	L	Language (6-8)	6	6	Verb Tense
				7	7	Classification
				8	8	Singular-Plural Usage
				9	9	Operational Language
				10	10	Spatial-Directional Language
				11	11	Prepositions to Denote Relationships
				12	12	Comparative & Superlative Adjectives
				13	13	Essential Competencies
				14	14	Conceptual Understanding
				15	15	Extended Reasoning
	02	V	Vocabulary	16	16	Vocabulary
	09	WA	Word Analysis	17	17	Phonological Awareness & Decoding
				18	18	Identifying & Analyzing Word Parts
	10	Li	Listening	19	19	Literal Comprehension
				20	20	Inferential Comprehension
	12	M	Mathematics (or MT without Comp)	21	21	Number Sense & Operations
				22	22	Algebraic Patterns & Connections
				23	23	Geometry
				24	24	Measurement
				25	25	Essential Competencies
				26	26	Conceptual Understanding
				27	27	Extended Reasoning



## APPENDIX C

### Slot Definitions for Skill Domains, Iowa Assessments Form E & F

Level	Test Slot	Test Key	Iowa Assessments	Form E Skill Domain Slot No.	Form F Skill Domain Slot No.	Skill Domain Description
07	01	R	Reading	1	1	Informational
				2	2	Literary
				3	3	Explicit Meaning
				4	4	Implicit Meaning
				5	5	Key Ideas
				6	6	Essential Competencies
				7	7	Conceptual Understanding
				8	8	Extended Reasoning
	06	L	Language (6-8)	9	9	Spelling
				10	10	Capitalization
				11	11	Punctuation
				12	12	Written Expression
				13	13	Essential Competencies
				14	14	Conceptual Understanding
				15	15	Extended Reasoning
	02	V	Vocabulary	16	16	Vocabulary
	09	WA	Word Analysis	17	17	Phonological Awareness & Decoding
				18	18	Identifying & Analyzing Word Parts
	10	Li	Listening	19	19	Literal Comprehension
				20	20	Inferential Comprehension
	12	M	Mathematics (or MT without Comp)	21	21	Number Sense & Operations
				22	22	Algebraic Patterns & Connections
				23	23	Data Analysis, Probability, & Statistics
				24	24	Geometry
				25	25	Measurement
				26	26	Essential Competencies
				27	27	Conceptual Understanding
				28	28	Extended Reasoning
	13	MC	Computation	29	29	Compute with Whole Numbers
	19	SS	Social Studies	30	30	History
				31	31	Geography
				32	32	Economics
				33	33	Civics & Government
				34	34	Essential Competencies
				35	35	Conceptual Understanding
				36	36	Extended Reasoning
	20	SC	Science	37	37	Life Science
				38	38	Earth & Space Science
				39	39	Physical Science
				40	40	Essential Competencies
				41	41	Conceptual Understanding
				42	42	Extended Reasoning

## APPENDIX C

### Slot Definitions for Skill Domains, Iowa Assessments Form E & F

Level	Test Slot	Test Key	Iowa Assessments	Form E Skill Domain Slot No.	Form F Skill Domain Slot No.	Skill Domain Description
08	01	R	Reading	1	1	Informational
				2	2	Literary
				3	3	Vocabulary
				4	4	Explicit Meaning
				5	5	Implicit Meaning
				6	6	Key Ideas
				7	7	Author's Craft
				8	8	Essential Competencies
				9	9	Conceptual Understanding
				10	10	Extended Reasoning
	06	L	Language (6-8)	11	11	Spelling
				12	12	Capitalization
				13	13	Punctuation
				14	14	Written Expression
				15	15	Essential Competencies
				16	16	Conceptual Understanding
				17	17	Extended Reasoning
	02	V	Vocabulary	18	18	Vocabulary
	09	WA	Word Analysis	19	19	Phonological Awareness & Decoding
	10	Li	Listening	20	20	Identifying & Analyzing Word Parts
				21	21	Literal Comprehension
	12	M	Mathematics (or MT without Comp)	22	22	Inferential Comprehension
				23	23	Number Sense & Operations
				24	24	Algebraic Patterns & Connections
				25	25	Data Analysis, Probability, & Statistics
				26	26	Geometry
				27	27	Measurement
				28	28	Essential Competencies
				29	29	Conceptual Understanding
				30	30	Extended Reasoning
				31	31	Compute with Whole Numbers
	13	MC	Computation	32	32	History
	19	SS	Social Studies	33	33	Geography
				34	34	Economics
				35	35	Civics & Government
				36	36	Essential Competencies
				37	37	Conceptual Understanding
				38	38	Extended Reasoning
				39	39	Life Science
	20	SC	Science	40	40	Earth & Space Science
				41	41	Physical Science
				42	42	Essential Competencies
				43	43	Conceptual Understanding
				44	44	Extended Reasoning
			Information Literacy	45	not applicable	Acquiring Information
				46	not applicable	Evaluating Information
				47	not applicable	Using Information

## APPENDIX C

### Slot Definitions for Skill Domains, Iowa Assessments Form E & F

Level	Test Slot	Test Key	Iowa Assessments	Form E Skill Domain Slot No.	Form F Skill Domain Slot No.	Skill Domain Description
09	01	R	Reading	1	1	Informational
				2	2	Literary
				3	3	Vocabulary
				4	4	Explicit Meaning
				5	5	Implicit Meaning
				6	6	Key Ideas
				7	7	Author's Craft
				8	8	Essential Competencies
				9	9	Conceptual Understanding
				10	10	Extended Reasoning
	06	WE	Written Expression (9-17/18)	11	11	Usage & Grammar
				12	12	Sentence Structure
				13	13	Planning & Organization
				14	14	Appropriate Expression
				15	15	Essential Competencies
				16	16	Conceptual Understanding
				17	17	Extended Reasoning
	03	SP	Spelling	18	18	Spelling
	04	CP	Capitalization	19	19	Capitalization
	05	PC	Punctuation	20	20	Punctuation
	02	V	Vocabulary	21	21	Vocabulary
	09	WA	Word Analysis	22	22	Phonological Awareness & Decoding
				23	23	Identifying & Analyzing Word Parts
	10	Li	Listening	24	24	Literal Comprehension
				25	25	Inferential Comprehension
	12	M	Mathematics (or MT without Comp)	26	26	Number Sense & Operations
				27	27	Algebraic Patterns & Connections
				28	28	Data Analysis, Probability, & Statistics
				29	29	Geometry
				30	30	Measurement
				31	31	Essential Competencies
				32	32	Conceptual Understanding
				33	33	Extended Reasoning
	13	MC	Computation	34	34	Compute with Whole Numbers
	19	SS	Social Studies	35	35	History
				36	36	Geography
				37	37	Economics
				38	38	Civics & Government
				39	39	Essential Competencies
				40	40	Conceptual Understanding
				41	41	Extended Reasoning
	20	SC	Science	42	42	Life Science
				43	43	Earth & Space Science
				44	44	Physical Science
				45	45	Essential Competencies
				46	46	Conceptual Understanding
				47	47	Extended Reasoning
			Information Literacy	48	not applicable	Acquiring Information
				49	not applicable	Evaluating Information
				50	not applicable	Using Information

## APPENDIX C

### Slot Definitions for Skill Domains, Iowa Assessments Form E & F

Level	Test Slot	Test Key	Iowa Assessments	Form E Skill Domain Slot No.	Form F Skill Domain Slot No.	Skill Domain Description	
10	01	R	Reading	1	1	Informational	
				2	2	Literary	
				3	3	Vocabulary	
				4	4	Explicit Meaning	
				5	5	Implicit Meaning	
				6	6	Key Ideas	
				7	7	Author's Craft	
				8	8	Essential Competencies	
				9	9	Conceptual Understanding	
				10	10	Extended Reasoning	
	06	WE		Written Expression (9-17/18)	11	11	Usage & Grammar
					12	12	Sentence Structure
					13	13	Planning & Organization
					14	14	Appropriate Expression
					15	15	Essential Competencies
					16	16	Conceptual Understanding
					17	17	Extended Reasoning
	03	SP		Spelling	18	18	Spelling
	04	CP		Capitalization	19	19	Capitalization
	05	PC		Punctuation	20	20	Punctuation
	02	V		Vocabulary	21	21	Vocabulary
	12	M		Mathematics (or MT without Comp)	22	22	Number Sense & Operations
					23	23	Algebraic Patterns & Connections
					24	24	Data Analysis, Probability, & Statistics
					25	25	Geometry
					26	26	Measurement
					27	27	Essential Competencies
					28	28	Conceptual Understanding
					29	29	Extended Reasoning
	13	MC		Computation	30	30	Compute with Whole Numbers
	19	SS		Social Studies	31	31	History
					32	32	Geography
					33	33	Economics
					34	34	Civics & Government
					35	35	Essential Competencies
					36	36	Conceptual Understanding
					37	37	Extended Reasoning
	20	SC		Science	38	38	Life Science
					39	39	Earth & Space Science
					40	40	Physical Science
					41	41	Essential Competencies
					42	42	Conceptual Understanding
					43	43	Extended Reasoning
				Information Literacy	44	not applicable	Acquiring Information
					45	not applicable	Evaluating Information
					46	not applicable	Using Information

## APPENDIX C

### Slot Definitions for Skill Domains, Iowa Assessments Form E & F

Level	Test Slot	Test Key	Iowa Assessments	Form E Skill Domain Slot No.	Form F Skill Domain Slot No.	Skill Domain Description
11	01	R	Reading	1	1	Informational
				2	2	Literary
				3	3	Vocabulary
				4	4	Explicit Meaning
				5	5	Implicit Meaning
				6	6	Key Ideas
				7	7	Author's Craft
				8	8	Essential Competencies
				9	9	Conceptual Understanding
				10	10	Extended Reasoning
	06	WE	Written Expression (9-17/18)	11	11	Usage & Grammar
				12	12	Sentence Structure
				13	13	Planning & Organization
				14	14	Appropriate Expression
				15	15	Essential Competencies
				16	16	Conceptual Understanding
				17	17	Extended Reasoning
	03	SP	Spelling	18	18	Spelling
	04	CP	Capitalization	19	19	Capitalization
	05	PC	Punctuation	20	20	Punctuation
	02	V	Vocabulary	21	21	Vocabulary
	12	M	Mathematics (or MT without Comp)	22	22	Number Sense & Operations
				23	23	Algebraic Patterns & Connections
				24	24	Data Analysis, Probability, & Statistics
				25	25	Geometry
				26	26	Measurement
				27	27	Essential Competencies
				28	28	Conceptual Understanding
				29	29	Extended Reasoning
	13	MC	Computation	30	30	Compute with Whole Numbers
				31	31	Compute with Fractions
				32	32	Compute with Decimals
	19	SS	Social Studies	33	33	History
				34	34	Geography
				35	35	Economics
				36	36	Civics & Government
				37	37	Essential Competencies
				38	38	Conceptual Understanding
				39	39	Extended Reasoning
	20	SC	Science	40	40	Life Science
				41	41	Earth & Space Science
				42	42	Physical Science
				43	43	Essential Competencies
				44	44	Conceptual Understanding
				45	45	Extended Reasoning
			Information Literacy	46	not applicable	Acquiring Information
				47	not applicable	Evaluating Information
				48	not applicable	Using Information

## APPENDIX C

### Slot Definitions for Skill Domains, Iowa Assessments Form E & F

Level	Test Slot	Test Key	Iowa Assessments	Form E Skill Domain Slot No.	Form F Skill Domain Slot No.	Skill Domain Description
12	01	R	Reading	1	1	Informational
				2	2	Literary
				3	3	Vocabulary
				4	4	Explicit Meaning
				5	5	Implicit Meaning
				6	6	Key Ideas
				7	7	Author's Craft
				8	8	Essential Competencies
				9	9	Conceptual Understanding
				10	10	Extended Reasoning
	06	WE	Written Expression (9-17/18)	11	11	Usage & Grammar
				12	12	Sentence Structure
				13	13	Planning & Organization
				14	14	Appropriate Expression
				15	15	Essential Competencies
				16	16	Conceptual Understanding
				17	17	Extended Reasoning
	03	SP	Spelling	18	18	Spelling
	04	CP	Capitalization	19	19	Capitalization
	05	PC	Punctuation	20	20	Punctuation
	02	V	Vocabulary	21	21	Vocabulary
	12	M	Mathematics (or MT without Comp)	22	22	Number Sense & Operations
				23	23	Algebraic Patterns & Connections
				24	24	Data Analysis, Probability, & Statistics
				25	25	Geometry
				26	26	Measurement
				27	27	Essential Competencies
				28	28	Conceptual Understanding
				29	29	Extended Reasoning
	13	MC	Computation	30	30	Compute with Whole Numbers
				31	31	Compute with Fractions
				32	32	Compute with Decimals
	19	SS	Social Studies	33	33	History
				34	34	Geography
				35	35	Economics
				36	36	Civics & Government
				37	37	Essential Competencies
				38	38	Conceptual Understanding
				39	39	Extended Reasoning
	20	SC	Science	40	40	Life Science
				41	41	Earth & Space Science
				42	42	Physical Science
				43	43	Essential Competencies
				44	44	Conceptual Understanding
				45	45	Extended Reasoning
			Information Literacy	46	not applicable	Acquiring Information
				47	not applicable	Evaluating Information
				48	not applicable	Using Information

## APPENDIX C

### Slot Definitions for Skill Domains, Iowa Assessments Form E & F

Level	Test Slot	Test Key	Iowa Assessments	Form E Skill Domain Slot No.	Form F Skill Domain Slot No.	Skill Domain Description
13	01	R	Reading	1	1	Informational
				2	2	Literary
				3	3	Vocabulary
				4	4	Explicit Meaning
				5	5	Implicit Meaning
				6	6	Key Ideas
				7	7	Author's Craft
				8	8	Essential Competencies
				9	9	Conceptual Understanding
				10	10	Extended Reasoning
	06	WE	Written Expression (9-17/18)	11	11	Usage & Grammar
				12	12	Sentence Structure
				13	13	Planning & Organization
				14	14	Appropriate Expression
				15	15	Essential Competencies
				16	16	Conceptual Understanding
				17	17	Extended Reasoning
	03	SP	Spelling	18	18	Spelling
	04	CP	Capitalization	19	19	Capitalization
	05	PC	Punctuation	20	20	Punctuation
	02	V	Vocabulary	21	21	Vocabulary
	12	M	Mathematics (or MT without Comp)	22	22	Number Sense & Operations
				23	23	Algebraic Patterns & Connections
				24	24	Data Analysis, Probability, & Statistics
				25	25	Geometry
				26	26	Measurement
				27	27	Essential Competencies
				28	28	Conceptual Understanding
				29	29	Extended Reasoning
	13	MC	Computation	30	30	Compute with Whole Numbers
				31	31	Compute with Fractions
				32	32	Compute with Decimals
	19	SS	Social Studies	33	33	History
				34	34	Geography
				35	35	Economics
				36	36	Civics & Government
				37	37	Essential Competencies
				38	38	Conceptual Understanding
				39	39	Extended Reasoning
	20	SC	Science	40	40	Life Science
				41	41	Earth & Space Science
				42	42	Physical Science
				43	43	Essential Competencies
				44	44	Conceptual Understanding
				45	45	Extended Reasoning
			Information Literacy	46	not applicable	Acquiring Information
				47	not applicable	Evaluating Information
				48	not applicable	Using Information

## APPENDIX C

### Slot Definitions for Skill Domains, Iowa Assessments Form E & F

Level	Test Slot	Test Key	Iowa Assessments	Form E Skill Domain Slot No.	Form F Skill Domain Slot No.	Skill Domain Description
14	01	R	Reading	1	1	Informational
				2	2	Literary
				3	3	Vocabulary
				4	4	Explicit Meaning
				5	5	Implicit Meaning
				6	6	Key Ideas
				7	7	Author's Craft
				8	8	Essential Competencies
				9	9	Conceptual Understanding
				10	10	Extended Reasoning
	06	WE	Written Expression (9-17/18)	11	11	Usage & Grammar
				12	12	Sentence Structure
				13	13	Planning & Organization
				14	14	Appropriate Expression
				15	15	Essential Competencies
				16	16	Conceptual Understanding
				17	17	Extended Reasoning
	03	SP	Spelling	18	18	Spelling
	04	CP	Capitalization	19	19	Capitalization
	05	PC	Punctuation	20	20	Punctuation
	02	V	Vocabulary	21	21	Vocabulary
	12	M	Mathematics (or MT without Comp)	22	22	Number Sense & Operations
				23	23	Algebraic Patterns & Connections
				24	24	Data Analysis, Probability, & Statistics
				25	25	Geometry
				26	26	Measurement
				27	27	Essential Competencies
				28	28	Conceptual Understanding
				29	29	Extended Reasoning
	13	MC	Computation	30	30	Compute with Whole Numbers
				31	31	Compute with Fractions
				32	32	Compute with Decimals
				33	33	Algebraic Manipulations
	19	SS	Social Studies	34	34	History
				35	35	Geography
				36	36	Economics
				37	37	Civics & Government
				38	38	Essential Competencies
				39	39	Conceptual Understanding
				40	40	Extended Reasoning
	20	SC	Science	41	41	Life Science
				42	42	Earth & Space Science
				43	43	Physical Science
				44	44	Essential Competencies
				45	45	Conceptual Understanding
				46	46	Extended Reasoning
			Information Literacy	47	not applicable	Acquiring Information
				48	not applicable	Evaluating Information
				49	not applicable	Using Information



## APPENDIX C

### Slot Definitions for Skill Domains, Iowa Assessments Form E & F

Level	Test Slot	Test Key	Iowa Assessments	Form E Skill Domain Slot No.	Form F Skill Domain Slot No.	Skill Domain Description
15	01	R	Reading	1	1	Informational
				2	2	Literary
				3	3	Vocabulary
				4	4	Explicit Meaning
				5	5	Implicit Meaning
				6	6	Key Ideas
				7	7	Author's Craft
				8	8	Essential Competencies
				9	9	Conceptual Understanding
				10	10	Extended Reasoning
	06	WE	Written Expression (9-17/18)	11	11	Usage & Grammar
				12	12	Sentence Structure
				13	13	Planning & Organization
				14	14	Appropriate Expression
				15	15	Mechanics
				16	16	Essential Competencies
				17	17	Conceptual Understanding
				18	18	Extended Reasoning
	02	V	Vocabulary	19	19	Vocabulary
	12	M	Mathematics (or MT without Comp)	20	20	Number Sense & Operations
				21	21	Algebraic Patterns & Connections
				22	22	Data Analysis, Probability, & Statistics
				23	23	Geometry
				24	24	Measurement
				25	25	Essential Competencies
				26	26	Conceptual Understanding
				27	27	Extended Reasoning
	13	MC	Computation	28	28	Integers
				29	29	Decimals/Percents
				30	30	Fractions
				31	31	Algebraic Manipulations
	19	SS	Social Studies	32	32	History
				33	33	Geography
				34	34	Economics
				35	35	Civics & Government
				36	36	Essential Competencies
				37	37	Conceptual Understanding
				38	38	Extended Reasoning
	20	SC	Science	39	39	Life Science
				40	40	Earth & Space Science
				41	41	Physical Science
				42	42	Essential Competencies
				43	43	Conceptual Understanding
				44	44	Extended Reasoning
			Information Literacy	45	not applicable	Acquiring Information
				46	not applicable	Evaluating Information
				47	not applicable	Using Information

## APPENDIX C

### Slot Definitions for Skill Domains, Iowa Assessments Form E & F

Level	Test Slot	Test Key	Iowa Assessments	Form E Skill Domain Slot No.	Form F Skill Domain Slot No.	Skill Domain Description	
16	01	R	Reading	1	1	Informational	
				2	2	Literary	
				3	3	Vocabulary	
				4	4	Explicit Meaning	
				5	5	Implicit Meaning	
				6	6	Key Ideas	
				7	7	Author's Craft	
				8	8	Essential Competencies	
				9	9	Conceptual Understanding	
				10	10	Extended Reasoning	
	06	WE		Written Expression (9-17/18)	11	11	Usage & Grammar
					12	12	Sentence Structure
					13	13	Planning & Organization
					14	14	Appropriate Expression
					15	15	Mechanics
					16	16	Essential Competencies
					17	17	Conceptual Understanding
					18	18	Extended Reasoning
	02	V		Vocabulary	19	19	Vocabulary
	12	M		Mathematics (or MT without Comp)	20	20	Number Sense & Operations
					21	21	Algebraic Patterns & Connections
					22	22	Data Analysis, Probability, & Statistics
					23	23	Geometry
					24	24	Measurement
					25	25	Essential Competencies
					26	26	Conceptual Understanding
					27	27	Extended Reasoning
	13	MC		Computation	28	28	Integers
					29	29	Decimals/Percents
					30	30	Fractions
					31	31	Algebraic Manipulations
	19	SS		Social Studies	32	32	History
					33	33	Geography
					34	34	Economics
					35	35	Civics & Government
					36	36	Essential Competencies
					37	37	Conceptual Understanding
					38	38	Extended Reasoning
	20	SC		Science	39	39	Life Science
					40	40	Earth & Space Science
					41	41	Physical Science
					42	42	Essential Competencies
					43	43	Conceptual Understanding
					44	44	Extended Reasoning
				Information Literacy	45	not applicable	Acquiring Information
					46	not applicable	Evaluating Information
					47	not applicable	Using Information

## APPENDIX C

### Slot Definitions for Skill Domains, Iowa Assessments Form E & F

Level	Test Slot	Test Key	Iowa Assessments	Form E Skill Domain Slot No.	Form F Skill Domain Slot No.	Skill Domain Description
17/18	01	R	Reading	1	1	Informational
				2	2	Literary
				3	3	Vocabulary
				4	4	Explicit Meaning
				5	5	Implicit Meaning
				6	6	Key Ideas
				7	7	Author's Craft
				8	8	Essential Competencies
				9	9	Conceptual Understanding
				10	10	Extended Reasoning
	06	WE	Written Expression (9-17/18)	11	11	Usage & Grammar
				12	12	Sentence Structure
				13	13	Planning & Organization
				14	14	Appropriate Expression
				15	15	Mechanics
				16	16	Essential Competencies
				17	17	Conceptual Understanding
				18	18	Extended Reasoning
	02	V	Vocabulary	19	19	Vocabulary
	12	M	Mathematics (or MT without Comp)	20	20	Number Sense & Operations
				21	21	Algebraic Patterns & Connections
				22	22	Data Analysis, Probability, & Statistics
				23	23	Geometry
				24	24	Measurement
				25	25	Essential Competencies
				26	26	Conceptual Understanding
				27	27	Extended Reasoning
				28	28	Integers
	13	MC	Computation	29	29	Decimals/Percents
				30	30	Fractions
				31	31	Algebraic Manipulations
	19	SS	Social Studies	32	32	History
				33	33	Geography
				34	34	Economics
				35	35	Civics & Government
				36	36	Essential Competencies
				37	37	Conceptual Understanding
				38	38	Extended Reasoning
	20	SC	Science	39	39	Life Science
				40	40	Earth & Space Science
				41	41	Physical Science
				42	42	Essential Competencies
				43	43	Conceptual Understanding
				44	44	Extended Reasoning
			Information Literacy	45	not applicable	Acquiring Information
				46	not applicable	Evaluating Information
				47	not applicable	Using Information