



Arkansas Comprehensive Testing, Assessment, and Accountability Program

**Grade 11 Literacy Examination
Raw to Scale Score Conversion Tables
March 2014 Administration**

Introduction

The Raw to Scale Score Conversion Tables provide information on raw scores attained by students for the *Grade 11 Literacy Examination* and how those scores correspond with student scale scores.

The attached Raw to Scale Score Conversion Tables are specific to the March 2014 administration of the *Grade 11 Literacy Examination* and do NOT apply to any other administration.

What are Scale Scores?

Scale Scores are transformed raw scores. For every possible raw score on a test form, there is a corresponding scale score, although a scale score may represent more than one raw score depending on the distribution of the results. When multiple forms of a test are used, or when results are compared from year to year, scale scores are needed to adjust for possible differences in test form length or difficulty. For example, it would not be possible to interpret a raw score of 50 items correct or points earned without knowing how many items are on the test and how difficult those items are.

Why Use Scale Scores?

Scale scores provide a useful measurement tool for many assessment programs. They are used in numerous national testing programs, including the ACT and SAT examinations, which are typically part of the admissions process for colleges and universities. Scale scores are also routinely used in many other statewide testing programs, providing the basis for long-term, meaningful comparisons of student results across different test administrations.

Educators have always adjusted for differences in test length by changing from “number correct” scores to “percent correct” scores. The next step is to remove differences in item difficulty by moving to “scale scores.” To illustrate the value of this step, consider an examination with just two forms: Form A and Form B. If the items on Form A happen to be slightly more difficult than the items on Form B, one would expect a student to answer a higher percentage of items correctly if Form B were administered rather than Form A. However, a student should receive the same scale score for either form.

Scale scores are intended to make scores more meaningful by defining a scale of measurement that is not tied to a particular form of a test. However, to be meaningful, the scale must be tied to a benchmark that is meaningful to the user. The *Grade 11 Literacy Examination* was constructed so that a specific score corresponds to the advanced, proficient, basic, and below basic performance levels. In the future, these values may correspond to different raw scores, but they will have the same meaning in terms of student performance.

March 2014 Scale Scores

The attached Raw to Scale Score Conversion Tables list the total number of raw score points available for Grade 11 Literacy as well as the associated scale scores.

The table below lists the performance levels and associated scale scores ranges for the *Grade 11 Literacy Examination*. **Again, the scale score information listed in this table is specific to the March 2014 administration of the *Grade 11 Literacy Examination* and does NOT apply to any other administration.**

2014 Grade 11 Literacy Examination Scale Score Ranges

Performance Levels	Grade 11 Literacy Scale Scores
Below Basic	0–168
Basic	169–199
Proficient	200–226
Advanced	228 and above*

The Grade 11 Literacy Report Interpretation Guide contains more information on the development of the performance levels. For additional information about the results and information on student performance, please contact:

Office of Student Assessment
Arkansas Department of Education
Four Capitol Mall, Room 305B
Little Rock, AR 72201-1071
Telephone: 501-682-4558

* The Advanced rating for scale scores of 228–330 is pending peer review and approval from the U.S. Department of Education.



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2014 Grade 11 Literacy Examination Raw to Scale Score Conversion Tables

BELOW BASIC					
Raw Score	Scale Score	Raw Score	Scale Score	Raw Score	Scale Score
0	45	31	137	62	154
1	71	32	138	63	154
2	85	33	139	64	155
3	93	34	139	65	155
4	99	35	140	66	156
5	103	36	140	67	156
6	107	37	141	68	157
7	110	38	141	69	157
8	112	39	142	70	158
9	115	40	143	71	158
10	116	41	143	72	159
11	118	42	144	73	160
12	120	43	144	74	160
13	121	44	145	75	161
14	123	45	145	76	161
15	124	46	146	77	162
16	125	47	146	78	162
17	126	48	147	79	163
18	127	49	147	80	163
19	128	50	148	81	164
20	129	51	148	82	165
21	130	52	149	83	165
22	131	53	149	84	166
23	132	54	150	85	166
24	132	55	150	86	167
25	133	56	151	87	168
26	134	57	151	88	168
27	135	58	152		
28	135	59	152		
29	136	60	153		
30	137	61	153		

BASIC			
Raw Score	Scale Score	Raw Score	Scale Score
89	169	113	184
90	169	114	185
91	170	115	185
92	171	116	186
93	171	117	187
94	172	118	187
95	172	119	188
96	173	120	189
97	174	121	189
98	174	122	190
99	175	123	191
100	176	124	191
101	176	125	192
102	177	126	193
103	177	127	193
104	178	128	194
105	179	129	195
106	179	130	195
107	180	131	196
108	181	132	197
109	181	133	197
110	182	134	198
111	183	135	199
112	183	136	199

PROFICIENT	
Raw Score	Scale Score
137	200
138	201
139	202
140	202
141	203
142	204
143	205
144	205
145	206
146	207
147	208
148	209
149	209
150	210
151	211
152	212
153	213
154	213
155	214
156	215
157	216
158	217
159	218
160	219
161	220
162	221
163	222
164	223
165	224
166	225
167	226

ADVANCED*	
Raw Score	Scale Score
168	228
169	228
170	230
171	231
172	232
173	234
174	235
175	237
176	238
177	240
178	242
179	244
180	246
181	248
182	251
183	253
184	256
185	260
186	263
187	268
188	273
189	280
190	289
191	304
192	330

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