



Arkansas Comprehensive Testing, Assessment, and Accountability Program



## Grade 11 Literacy Examination Raw to Scale Score Conversion Tables March 2012 Administration

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### 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 2012 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 2012 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 2012 administration of the *Grade 11 Literacy Examination* and does NOT apply to any other administration.**

### 2012 Grade 11 Literacy Examination Scale Score Ranges

Performance Levels	Grade 11 Literacy Scale Scores
Below Basic	0–168
Basic	169–199
Proficient	200–227
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 106A  
Little Rock, AR 72201-1071  
Telephone: 501-682-4558

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\* The Advanced rating for scale scores of 228–249 is pending peer review and approval from the U.S. Department of Education.



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2012 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	51	31	137	62	152
1	75	32	137	63	153
2	89	33	138	64	153
3	97	34	138	65	154
4	102	35	139	66	154
5	106	36	139	67	155
6	109	37	140	68	156
7	112	38	140	69	156
8	114	39	141	70	157
9	116	40	141	71	157
10	118	41	142	72	158
11	119	42	142	73	158
12	121	43	143	74	159
13	122	44	144	75	159
14	123	45	144	76	160
15	124	46	145	77	160
16	125	47	145	78	161
17	126	48	145	79	161
18	127	49	146	80	162
19	128	50	146	81	163
20	129	51	147	82	163
21	130	52	147	83	164
22	131	53	148	84	164
23	131	54	148	85	165
24	132	55	149	86	165
25	133	56	149	87	166
26	133	57	150	88	167
27	134	58	150	89	167
28	135	59	151	90	168
29	135	60	151		
30	136	61	152		

BASIC			
Raw Score	Scale Score	Raw Score	Scale Score
91	169	116	183
92	169	117	184
93	169	118	185
94	170	119	185
95	171	120	186
96	171	121	186
97	172	122	187
98	172	123	188
99	173	124	188
100	174	125	189
101	174	126	190
102	175	127	190
103	175	128	191
104	176	129	192
105	177	130	192
106	177	131	193
107	178	132	194
108	178	133	194
109	179	134	195
110	180	135	196
111	180	136	196
112	181	137	197
113	181	138	198
114	182	139	199
115	183	140	199

PROFICIENT	
Raw Score	Scale Score
141	200
142	201
143	201
144	202
145	203
146	204
147	205
148	205
149	206
150	207
151	208
152	209
153	210
154	210
155	211
156	212
157	213
158	214
159	215
160	216
161	217
162	218
163	219
164	220
165	221
166	222
167	223
168	225
169	226
170	227

ADVANCED*	
Raw Score	Scale Score
171	228
172	229
173	231
174	232
175	233
176	235
177	236
178	238
179	239
180	241
181	243
182	245
183	247
184	250
185	253
186	256
187	260
188	265
189	271
190	280
191	295
192	321

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