



Arkansas Comprehensive Testing, Assessment, and Accountability Program

Grade 11 Literacy Examination Raw To Scale Score Conversion Tables March 2009 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 2009 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 2009 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 2009 administration of the *Grade 11 Literacy Examination* and does NOT apply to any other administration.**

2009 Grade 11 Literacy Examination Scale Score Ranges

Performance Levels	Grade 11 Literacy Scale Scores
Below Basic	0–168
Basic	169–199
Proficient	200–249
Advanced	250 and above

The *Grade 11 Literacy Examination 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:

Dr. Gayle Potter, Associate Director
Curriculum, Assessment, and Research
Arkansas Department of Education
4 State Capitol Mall, Room 106A
Little Rock, AR 72201-1071
Telephone: 501-682-4558

2009 Grade 11 Literacy Examination Raw to Scale Score Conversion Tables

BELOW BASIC			
Raw Score	Scale Score	Raw Score	Scale Score
0	46	38-39	138
1	71	40-41	139
2	84	42-43	140
3	92	44-45	141
4	97	46-47	142
5	101	48	143
6	105	49-50	144
7	107	51-52	145
8	110	53-54	146
9	112	55-56	147
10	113	57-58	148
11	115	59-60	149
12	116	61	150
13	118	62-63	151
14	119	64-65	152
15	120	66-67	153
16	121	68-69	154
17	122	70	155
18	123	71-72	156
19	124	73-74	157
20	125	75-76	158
21	126	77	159
22	127	78-79	160
23-24	128	80-81	161
25	129	82	162
26	130	83-84	163
27-28	131	85-86	164
29	132	87	165
30-31	133	88-89	166
32	134	90-91	167
33-34	135	92	168
35-36	136		
37	137		

BASIC	
Raw Score	Scale Score
93-94	169
95	170
96-97	171
98-99	172
100	173
101-102	174
103	175
104-105	176
106-107	177
108	178
109-110	179
111	180
112-113	181
114-115	182
116	183
117-118	184
119	185
120-121	186
122	187
123-124	188
125-126	189
127	190
128-129	191
130	192
131-132	193
133	194
134-135	195
136	196
137-138	197
139	198
140-141	199

PROFICIENT	
Raw Score	Scale Score
142	200
143	201
144-145	202
146	203
147	204
148-149	205
150	206
151	207
152-153	208
154	209
155	210
156	211
157	212
158-159	213
160	214
161	215
162	216
163	217
164	218
165	219
166	220
167	221
168	222
169	224
170	225
171	226
172	227
173	228
174	230
175	231
176	233
177	234
178	236
179	238
180	240
181	242
182	244
183	247

ADVANCED	
Raw Score	Scale Score
184	250
185	253
186	256
187	260
188	265
189	272
190	280
191	296
192	321