



Arkansas Comprehensive Testing, Assessment, and Accountability Program



Grade 11 Literacy Examination Raw To Scale Score Conversion Tables March 2010 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 2010 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 2010 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 2010 administration of the *Grade 11 Literacy Examination* and does NOT apply to any other administration.**

2010 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, Director
Curriculum, Assessment, and Research
Arkansas Department of Education
4 State Capitol Mall, Room 106A
Little Rock, AR 72201-1071
Telephone: 501-682-4558

2010 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	34	134	68	151
1	70	35	135	69	151
2	84	36	135	70	152
3	92	37	136	71	152
4	97	38	136	72	153
5	101	39	137	73	153
6	104	40	137	74	154
7	107	41	138	75	155
8	109	42	138	76	155
9	111	43	139	77	156
10	113	44	139	78	156
11	115	45	140	79	157
12	116	46	140	80	157
13	118	47	141	81	158
14	119	48	141	82	158
15	120	49	142	83	159
16	121	50	142	84	159
17	122	51	143	85	160
18	123	52	143	86	160
19	124	53	144	87	161
20	125	54	144	88	162
21	126	55	145	89	162
22	126	56	145	90	163
23	127	57	146	91	163
24	128	58	146	92	164
25	129	59	147	93	164
26	129	60	147	94	165
27	130	61	148	95	166
28	131	62	148	96	166
29	131	63	148	97	167
30	132	64	149	98	167
31	132	65	149	99	168
32	133	66	150		
33	134	67	150		

BASIC					
Raw Score	Scale Score	Raw Score	Scale Score	Raw Score	Scale Score
100	169	124	184	124	184
101	169	125	184	125	184
102	170	126	185	126	185
103	170	127	186	127	186
104	171	128	186	128	186
105	172	129	187	129	187
106	172	130	188	130	188
107	173	131	188	131	188
108	173	132	189	132	189
109	174	133	190	133	190
110	175	134	190	134	190
111	175	135	191	135	191
112	176	136	192	136	192
113	177	137	192	137	192
114	177	138	193	138	193
115	178	139	194	139	194
116	178	140	195	140	195
117	179	141	195	141	195
118	180	142	196	142	196
119	180	143	197	143	197
120	181	144	198	144	198
121	182	145	198	145	198
122	182	146	199	146	199
123	183				

PROFICIENT					
Raw Score	Scale Score	Raw Score	Scale Score	Raw Score	Scale Score
147	200	166	218	166	218
148	201	167	219	167	219
149	202	168	221	168	221
150	202	169	222	169	222
151	203	170	223	170	223
152	204	171	225	171	225
153	205	172	226	172	226
154	206	173	228	173	228
155	207	174	229	174	229
156	208	175	231	175	231
157	209	176	232	176	232
158	210	177	234	177	234
159	211	178	236	178	236
160	212	179	238	179	238
161	213	180	240	180	240
162	214	181	242	181	242
163	215	182	245	182	245
164	216	183	248	183	248
165	217				

ADVANCED	
Raw Score	Scale Score
184	250
185	254
186	258
187	262
188	267
189	274
190	283
191	299
192	325