



Arkansas Comprehensive Testing, Assessment, and Accountability Program

## Grade 11 Literacy Examination Raw To Scale Score Conversion Tables March 2008 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 2008 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 2008 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 2008 administration of the *Grade 11 Literacy Examination* and does NOT apply to any other administration.**

### 2008 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:

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## 2008 Grade 11 Literacy Examination Raw to Scale Score Conversion Tables

BELOW BASIC			
Raw Score	Scale Score	Raw Score	Scale Score
0	43	40-41	137
1	68	42-43	138
2	82	44-45	139
3	90	46	140
4	95	47-48	141
5	100	49-50	142
6	103	51-52	143
7	105	53-54	144
8	108	55-56	145
9	110	57-58	146
10	112	59-60	147
11	113	61-62	148
12	115	63-64	149
13	116	65	150
14	117	66-67	151
15	119	68-69	152
16	120	70-71	153
17	121	72-73	154
18	122	74-75	155
19	123	76	156
20-21	124	77-78	157
22	125	79-80	158
23	126	81-82	159
24	127	83	160
25-26	128	84-85	161
27	129	86-87	162
28-29	130	88-89	163
30	131	90	164
31-32	132	91-92	165
33-34	133	93-94	166
35	134	95	167
36-37	135	96-97	168
38-39	136		

BASIC	
Raw Score	Scale Score
98-99	169
100-101	170
102	171
103-104	172
105-106	173
107-108	174
109	175
110-111	176
112-113	177
114-115	178
116	179
117-118	180
119-120	181
121-122	182
123	183
124-125	184
126-127	185
128	186
129-130	187
131-132	188
133	189
134-135	190
136-137	191
138	192
139-140	193
141	194
142-143	195
144	196
145-146	197
147	198
148-149	199

PROFICIENT	
Raw Score	Scale Score
150	200
151	201
152-153	202
154	203
155	204
156-157	205
158	206
159	207
160	208
161	209
162	210
163	211
164	212
165	213
166	214
167	215
168	216
169	217
170	218
171	219
172	221
173	222
174	223
175	225
176	226
177	228
178	230
179	232
180	233
181	236
182	238
183	240
184	243
185	246

ADVANCED	
Raw Score	Scale Score
186	250
187	254
188	259
189	265
190	274
191	289
192	315