



Arkansas Comprehensive Testing, Assessment, and Accountability Program



Grade 11 Literacy Examination Raw To Scale Score Conversion Tables March 2011 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 2011 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 2011 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 2011 administration of the *Grade 11 Literacy Examination* and does NOT apply to any other administration.**

2011 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 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:

The Assessment Office
Arkansas Department of Education
4 State Capitol Mall, Room 106A
Little Rock, AR 72201-1071
Telephone: 501-682-4558

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

ACTAAP

Arkansas Comprehensive Testing, Assessment, and Accountability Program

2011 Grade 11 Literacy Examination Raw to Scale Score Conversion Tables

| Raw Score | BELOW BASIC | | BASIC | |
|-----------|-------------|-------------|-----------|-------------|
| | Raw Score | Scale Score | Raw Score | Scale Score |
| 0 | 48 | | | |
| 1 | 73 | 31 | 62 | 152 |
| 2 | 87 | 32 | 63 | 152 |
| 3 | 95 | 33 | 64 | 153 |
| 4 | 100 | 34 | 65 | 153 |
| 5 | 104 | 35 | 66 | 154 |
| 6 | 107 | 36 | 67 | 154 |
| 7 | 110 | 37 | 68 | 155 |
| 8 | 112 | 38 | 69 | 155 |
| 9 | 114 | 39 | 70 | 156 |
| 10 | 116 | 40 | 71 | 156 |
| 11 | 117 | 41 | 72 | 157 |
| 12 | 119 | 42 | 73 | 158 |
| 13 | 120 | 43 | 74 | 158 |
| 14 | 121 | 44 | 75 | 159 |
| 15 | 122 | 45 | 76 | 159 |
| 16 | 123 | 46 | 77 | 160 |
| 17 | 124 | 47 | 78 | 160 |
| 18 | 125 | 48 | 79 | 161 |
| 19 | 126 | 49 | 80 | 162 |
| 20 | 127 | 50 | 81 | 162 |
| 21 | 128 | 51 | 82 | 163 |
| 22 | 129 | 52 | 83 | 163 |
| 23 | 130 | 53 | 84 | 164 |
| 24 | 130 | 54 | 85 | 164 |
| 25 | 131 | 55 | 86 | 165 |
| 26 | 132 | 56 | 87 | 166 |
| 27 | 132 | 57 | 88 | 166 |
| 28 | 133 | 58 | 89 | 167 |
| 29 | 134 | 59 | 90 | 167 |
| 30 | 134 | 60 | 91 | 168 |
| | | 61 | 151 | |

| BASIC | | | |
|-----------|-------------|-----------|-------------|
| Raw Score | Scale Score | Raw Score | Scale Score |
| 92 | 169 | 117 | 184 |
| 93 | 169 | 118 | 184 |
| 94 | 170 | 119 | 185 |
| 95 | 170 | 120 | 186 |
| 96 | 171 | 121 | 186 |
| 97 | 172 | 122 | 187 |
| 98 | 172 | 123 | 188 |
| 99 | 173 | 124 | 188 |
| 100 | 173 | 125 | 189 |
| 101 | 174 | 126 | 190 |
| 102 | 175 | 127 | 190 |
| 103 | 175 | 128 | 191 |
| 104 | 176 | 129 | 192 |
| 105 | 176 | 130 | 192 |
| 106 | 177 | 131 | 193 |
| 107 | 178 | 132 | 193 |
| 108 | 178 | 133 | 194 |
| 109 | 179 | 134 | 195 |
| 110 | 180 | 135 | 195 |
| 111 | 180 | 136 | 196 |
| 112 | 181 | 137 | 197 |
| 113 | 181 | 138 | 198 |
| 114 | 182 | 139 | 198 |
| 115 | 183 | 140 | 199 |
| 116 | 183 | 141 | 199 |

| PROFICIENT | |
|------------|-------------|
| Raw Score | Scale Score |
| 142 | 200 |
| 143 | 201 |
| 144 | 202 |
| 145 | 202 |
| 146 | 203 |
| 147 | 204 |
| 148 | 205 |
| 149 | 205 |
| 150 | 206 |
| 151 | 207 |
| 152 | 208 |
| 153 | 208 |
| 154 | 209 |
| 155 | 210 |
| 156 | 211 |
| 157 | 212 |
| 158 | 213 |
| 159 | 214 |
| 160 | 214 |
| 161 | 215 |
| 162 | 216 |
| 163 | 217 |
| 164 | 218 |
| 165 | 219 |
| 166 | 220 |
| 167 | 221 |
| 168 | 222 |
| 169 | 224 |
| 170 | 225 |
| 171 | 226 |

| ADVANCED* | |
|-----------|-------------|
| Raw Score | Scale Score |
| 172 | 228 |
| 173 | 229 |
| 174 | 230 |
| 175 | 232 |
| 176 | 233 |
| 177 | 235 |
| 178 | 237 |
| 179 | 238 |
| 180 | 240 |
| 181 | 243 |
| 182 | 245 |
| 183 | 247 |
| 184 | 250 |
| 185 | 253 |
| 186 | 257 |
| 187 | 261 |
| 188 | 266 |
| 189 | 273 |
| 190 | 282 |
| 191 | 297 |
| 192 | 323 |

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