

A Study of the Alignment of the NWEA RIT Scale with the North Dakota State Assessment (NDSA)

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Recently, NWEA completed a project to connect the scale of the North Dakota State Assessment (NDSA) used for North Dakota's mathematics and reading assessments with NWEA's RIT scale. Information from the North Dakota assessments were used in a study to establish performance-level scores on the RIT scale that would indicate a good chance of success on these tests.

To perform the analysis, we linked individual students' state test results with their corresponding NWEA test results for about 9,500 students in 70 North Dakota schools who took both tests during the fall 2007 testing season. For the fall season, an equipercentile method was used to estimate the RIT score equivalent to each state performance level. We determined the percentage of the population within the selected study group that performed at each level on the state test and found the equivalent percentile ranges within the NWEA dataset to estimate the cut scores. For example, if 40% of the study group population in grade 3 mathematics performed below the proficient level on the state test, we would find the RIT score that would be equivalent to the 40th percentile for the study population (this would not be the same as the 40th percentile in the NWEA norms). This RIT score would be the estimated point on the NWEA RIT scale that would be equivalent to the minimum score for proficiency on the state test.

More complete documentation about this method can be found on our website.

Tables 1 through 6 show the best estimate of the minimum RIT equivalent to each NDSA performance level for same-season (Fall) and prior-season (Spring) RIT scores. These tables can be used to identify students who may need additional help to perform well on these tests.

Tables 7 through 12 show the estimated probability of a student receiving a proficient score on the state assessment, based on that student's RIT score. These tables can be used to assist in identifying students who are not likely to pass these assessments, thereby increasing the probability that intervention strategies will be planned and implemented. These tables can also be useful for identifying target RIT-score objectives likely to correspond to successful or "proficient" performance on the state test.

Table 1 – Minimum Estimated Same-Season (Fall) RIT Cut Scores Corresponding to North Dakota Performance Levels – Mathematics

| Grade | Novice | Partially Proficient | | Proficient | | Advanced | |
|-------|-----------|----------------------|------------|------------|------------|-----------|------------|
| | Cut score | Cut score | Percentile | Cut score | Percentile | Cut Score | Percentile |
| 3 | <169 | 169 | 3 | 180 | 15 | 202 | 80 |
| 4 | <183 | 183 | 7 | 195 | 24 | 212 | 80 |
| 5 | <191 | 191 | 7 | 201 | 21 | 220 | 75 |
| 6 | <195 | 195 | 7 | 208 | 25 | 227 | 74 |
| 7 | <198 | 198 | 6 | 215 | 28 | 233 | 72 |
| 8 | <205 | 205 | 9 | 225 | 39 | 240 | 75 |

*Note: the cut scores shown in this table are the **minimum** estimated scores. Meeting the minimum MAP cut score corresponds to a 50% probability of achieving that performance level. Use the probabilities in Tables 7-12 to determine the appropriate “target” scores for a desired level of certainty.

Table 2 – Minimum Estimated Same-Season (Fall) RIT Cut Scores Corresponding to North Dakota Performance Levels – Reading

| Grade | Novice | Partially Proficient | | Proficient | | Advanced | |
|-------|-----------|----------------------|------------|------------|------------|-----------|------------|
| | Cut score | Cut score | Percentile | Cut score | Percentile | Cut Score | Percentile |
| 3 | <156 | 156 | 1 | 181 | 25 | 204 | 83 |
| 4 | <179 | 179 | 10 | 193 | 29 | 210 | 78 |
| 5 | <188 | 188 | 11 | 204 | 40 | 222 | 90 |
| 6 | <193 | 193 | 11 | 207 | 34 | 225 | 85 |
| 7 | <184 | 184 | 3 | 206 | 23 | 227 | 81 |
| 8 | <194 | 194 | 6 | 212 | 28 | 232 | 85 |

*Note: the cut scores shown in this table are the **minimum** estimated scores. Meeting the minimum MAP cut score corresponds to a 50% probability of achieving that performance level. Use the probabilities in Tables 7-12 to determine the appropriate “target” scores for a desired level of certainty.

Table 3 – Minimum Estimated Same-Season (Fall) RIT Cut Scores Corresponding to North Dakota Performance Levels – Language Usage

| Grade | Novice | | Partially Proficient | | Proficient | | Advanced | |
|-------|-----------|-----------|----------------------|-----------|------------|-----------|------------|--|
| | Cut score | Cut score | Percentile | Cut score | Percentile | Cut Score | Percentile | |
| 3 | <162 | 162 | 2 | 183 | 22 | 205 | 81 | |
| 4 | <183 | 183 | 9 | 195 | 27 | 211 | 76 | |
| 5 | <193 | 193 | 12 | 205 | 36 | 221 | 86 | |
| 6 | <196 | 196 | 10 | 208 | 32 | 224 | 84 | |
| 7 | <195 | 195 | 6 | 209 | 26 | 225 | 77 | |
| 8 | <203 | 203 | 10 | 213 | 28 | 229 | 82 | |

Note: the cut scores shown in this table are the **minimum** estimated scores. Meeting the minimum MAP cut score corresponds to a 50% probability of achieving that performance level. Use the probabilities in Tables 7-12 to determine the appropriate “target” scores for a desired level of certainty.

Table 4 – Minimum Estimated Prior-Season (Spring of Prior Year) RIT Cut Scores Corresponding to North Dakota Performance Levels – Mathematics

| Grade | Novice | | Partially Proficient | | Proficient | | Advanced | |
|-------|-----------|-----------|----------------------|-----------|------------|-----------|------------|--|
| | Cut score | Cut score | Percentile | Cut score | Percentile | Cut Score | Percentile | |
| 3 | <167 | 167 | 3 | 178 | 15 | 200 | 80 | |
| 4 | <182 | 182 | 7 | 194 | 25 | 212 | 82 | |
| 5 | <190 | 190 | 7 | 200 | 21 | 220 | 77 | |
| 6 | <196 | 196 | 7 | 209 | 26 | 228 | 75 | |
| 7 | <197 | 197 | 6 | 215 | 29 | 233 | 72 | |
| 8 | <204 | 204 | 9 | 225 | 41 | 241 | 76 | |

Note: the cut scores shown in this table are the **minimum** estimated scores. Meeting the minimum MAP cut score corresponds to a 50% probability of achieving that performance level. Use the probabilities in Tables 7-12 to determine the appropriate “target” scores for a desired level of certainty.

Note: Refer to the grade in which the student is enrolled at the time he/she takes the NDSA (Fall)

Table 5 – Minimum Estimated Prior-Season (Previous Spring) RIT Cut Scores Corresponding to North Dakota Performance Levels – Reading

| Grade | Novice | | Partially Proficient | | Proficient | | Advanced | |
|-------|-----------|-----------|----------------------|-----------|------------|-----------|------------|--|
| | Cut score | Cut score | Percentile | Cut score | Percentile | Cut Score | Percentile | |
| 3 | <154 | 154 | 1 | 179 | 25 | 202 | 84 | |
| 4 | <178 | 178 | 10 | 192 | 30 | 209 | 79 | |
| 5 | <187 | 187 | 11 | 203 | 40 | 221 | 90 | |
| 6 | <194 | 194 | 11 | 207 | 35 | 224 | 86 | |
| 7 | <182 | 182 | 3 | 206 | 23 | 227 | 81 | |
| 8 | <193 | 193 | 6 | 212 | 30 | 233 | 86 | |

Note: the cut scores shown in this table are the **minimum** estimated scores. Meeting the minimum MAP cut score corresponds to a 50% probability of achieving that performance level. Use the probabilities in Tables 7-12 to determine the appropriate “target” scores for a desired level of certainty.

Note: Refer to the grade in which the student is enrolled at the time he/she takes the NDSA (Fall)

Table 6 – Minimum Estimated Prior-Season (Spring of Prior Year) RIT Cut Scores Corresponding to North Dakota Performance Levels – Language Usage

| Grade | Novice | | Partially Proficient | | Proficient | | Advanced | |
|-------|-----------|-----------|----------------------|-----------|------------|-----------|------------|--|
| | Cut score | Cut score | Percentile | Cut score | Percentile | Cut Score | Percentile | |
| 3 | <162 | 162 | 2 | 181 | 22 | 204 | 83 | |
| 4 | <181 | 181 | 9 | 194 | 27 | 210 | 76 | |
| 5 | <192 | 192 | 12 | 204 | 37 | 220 | 86 | |
| 6 | <197 | 197 | 10 | 208 | 32 | 224 | 84 | |
| 7 | <195 | 195 | 6 | 210 | 28 | 225 | 78 | |
| 8 | <202 | 202 | 10 | 212 | 28 | 229 | 83 | |

Note: the cut scores shown in this table are the **minimum** estimated scores. Meeting the minimum MAP cut score corresponds to a 50% probability of achieving that performance level. Use the probabilities in Tables 7-12 to determine the appropriate “target” scores for a desired level of certainty.

Note: Refer to the grade in which the student is enrolled at the time he/she takes the NDSA (Fall)

Table 7 –Estimated Probability of scoring as Proficient or Higher on the North Dakota Mathematics Test in Same Season (Fall), by Student Grade and RIT Score Range on MAP Mathematics

| Estimated Probability of Passing State Test for Student with Given RIT Score | | | | | | |
|--|---------|---------|---------|---------|---------|---------|
| RIT Range | Grade 3 | Grade 4 | Grade 5 | Grade 6 | Grade 7 | Grade 8 |
| 130 | 1% | 0% | 0% | 0% | 0% | 0% |
| 135 | 1% | 0% | 0% | 0% | 0% | 0% |
| 140 | 2% | 1% | 0% | 0% | 0% | 0% |
| 145 | 4% | 1% | 0% | 0% | 0% | 0% |
| 150 | 6% | 1% | 1% | 0% | 0% | 0% |
| 155 | 9% | 2% | 1% | 1% | 0% | 0% |
| 160 | 14% | 4% | 2% | 1% | 1% | 0% |
| 165 | 22% | 6% | 3% | 2% | 1% | 0% |
| 170 | 31% | 9% | 5% | 3% | 1% | 1% |
| 175 | 43% | 14% | 8% | 4% | 2% | 1% |
| 180 | 55% | 22% | 13% | 7% | 4% | 1% |
| 185 | 67% | 31% | 20% | 11% | 6% | 2% |
| 190 | 77% | 43% | 29% | 17% | 9% | 4% |
| 195 | 84% | 55% | 40% | 25% | 14% | 6% |
| 200 | 90% | 67% | 52% | 36% | 22% | 9% |
| 205 | 94% | 77% | 64% | 48% | 31% | 14% |
| 210 | 96% | 84% | 75% | 60% | 43% | 22% |
| 215 | 98% | 90% | 83% | 71% | 55% | 31% |
| 220 | 99% | 94% | 89% | 80% | 67% | 43% |
| 225 | 99% | 96% | 93% | 87% | 77% | 55% |
| 230 | 99% | 98% | 96% | 92% | 84% | 67% |
| 235 | 100% | 99% | 97% | 95% | 90% | 77% |
| 240 | 100% | 99% | 98% | 97% | 94% | 84% |
| 245 | 100% | 99% | 99% | 98% | 96% | 90% |
| 250 | 100% | 100% | 99% | 99% | 98% | 94% |
| 255 | 100% | 100% | 100% | 99% | 99% | 96% |
| 260 | 100% | 100% | 100% | 100% | 99% | 98% |
| 265 | 100% | 100% | 100% | 100% | 99% | 99% |
| 270 | 100% | 100% | 100% | 100% | 100% | 99% |
| 275 | 100% | 100% | 100% | 100% | 100% | 99% |
| 280 | 100% | 100% | 100% | 100% | 100% | 100% |
| 285 | 100% | 100% | 100% | 100% | 100% | 100% |
| 290 | 100% | 100% | 100% | 100% | 100% | 100% |
| 295 | 100% | 100% | 100% | 100% | 100% | 100% |
| 300 | 100% | 100% | 100% | 100% | 100% | 100% |

Note: This table provides the estimated probability of passing the NDSA in fall, based on a MAP test score taken during the same (fall) season. Example: if a current third grade student had scored 165 on a MAP test taken during that same (fall) season, the estimated probability of scoring proficient or better on the grade 3 NDSA is 22%.

Table 8 –Probability of scoring as Proficient or Higher on the North Dakota Reading Test in Same Season (Fall), by Student Grade and RIT Score Range on MAP Reading

| Estimated Probability of Passing State Test for Student with Given RIT Score | | | | | | |
|---|----------------|----------------|----------------|----------------|----------------|----------------|
| RIT Range | Grade 3 | Grade 4 | Grade 5 | Grade 6 | Grade 7 | Grade 8 |
| 130 | 1% | 0% | 0% | 0% | 0% | 0% |
| 135 | 1% | 0% | 0% | 0% | 0% | 0% |
| 140 | 2% | 1% | 0% | 0% | 0% | 0% |
| 145 | 3% | 1% | 0% | 0% | 0% | 0% |
| 150 | 5% | 2% | 1% | 0% | 0% | 0% |
| 155 | 8% | 3% | 1% | 1% | 1% | 0% |
| 160 | 13% | 4% | 1% | 1% | 1% | 1% |
| 165 | 20% | 7% | 2% | 2% | 2% | 1% |
| 170 | 29% | 11% | 4% | 3% | 3% | 2% |
| 175 | 40% | 17% | 6% | 5% | 5% | 3% |
| 180 | 52% | 25% | 10% | 8% | 8% | 5% |
| 185 | 64% | 36% | 16% | 12% | 13% | 8% |
| 190 | 75% | 48% | 23% | 18% | 20% | 12% |
| 195 | 83% | 60% | 33% | 27% | 29% | 18% |
| 200 | 89% | 71% | 45% | 38% | 40% | 27% |
| 205 | 93% | 80% | 57% | 50% | 52% | 38% |
| 210 | 96% | 87% | 69% | 62% | 64% | 50% |
| 215 | 97% | 92% | 78% | 73% | 75% | 62% |
| 220 | 98% | 95% | 86% | 82% | 83% | 73% |
| 225 | 99% | 97% | 91% | 88% | 89% | 82% |
| 230 | 99% | 98% | 94% | 92% | 93% | 88% |
| 235 | 100% | 99% | 96% | 95% | 96% | 92% |
| 240 | 100% | 99% | 98% | 97% | 97% | 95% |
| 245 | 100% | 100% | 99% | 98% | 98% | 97% |
| 250 | 100% | 100% | 99% | 99% | 99% | 98% |
| 255 | 100% | 100% | 99% | 99% | 99% | 99% |
| 260 | 100% | 100% | 100% | 100% | 100% | 99% |
| 265 | 100% | 100% | 100% | 100% | 100% | 100% |
| 270 | 100% | 100% | 100% | 100% | 100% | 100% |
| 275 | 100% | 100% | 100% | 100% | 100% | 100% |
| 280 | 100% | 100% | 100% | 100% | 100% | 100% |
| 285 | 100% | 100% | 100% | 100% | 100% | 100% |
| 290 | 100% | 100% | 100% | 100% | 100% | 100% |
| 295 | 100% | 100% | 100% | 100% | 100% | 100% |
| 300 | 100% | 100% | 100% | 100% | 100% | 100% |

Note: This table provides the estimated probability of passing the NDSA in fall, based on a MAP test score taken during the same (fall) season. Example: if a current third grade student had scored 165 on a MAP test taken during that same (fall) season, the estimated probability of scoring proficient or better on the grade 3 NDSA is 20%.

Table 9 – Estimated Probability of scoring as Proficient or Higher on the North Dakota English Language Arts Test in Same Season (Fall), by Student Grade and RIT Score Range on MAP Language Usage

| Estimated Probability of Passing State Test for Student with Given RIT Score | | | | | | |
|---|----------------|----------------|----------------|----------------|----------------|----------------|
| RIT Range | Grade 3 | Grade 4 | Grade 5 | Grade 6 | Grade 7 | Grade 8 |
| 130 | 1% | 0% | 0% | 0% | 0% | 0% |
| 135 | 1% | 0% | 0% | 0% | 0% | 0% |
| 140 | 2% | 1% | 0% | 0% | 0% | 0% |
| 145 | 3% | 1% | 0% | 0% | 0% | 0% |
| 150 | 4% | 1% | 1% | 0% | 0% | 0% |
| 155 | 7% | 2% | 1% | 1% | 1% | 0% |
| 160 | 11% | 4% | 1% | 1% | 1% | 1% |
| 165 | 17% | 6% | 2% | 2% | 1% | 1% |
| 170 | 25% | 9% | 4% | 3% | 2% | 2% |
| 175 | 36% | 14% | 6% | 4% | 4% | 3% |
| 180 | 48% | 22% | 9% | 7% | 6% | 4% |
| 185 | 60% | 31% | 14% | 11% | 10% | 7% |
| 190 | 71% | 43% | 22% | 17% | 16% | 11% |
| 195 | 80% | 55% | 31% | 25% | 23% | 17% |
| 200 | 87% | 67% | 43% | 36% | 33% | 25% |
| 205 | 92% | 77% | 55% | 48% | 45% | 36% |
| 210 | 95% | 84% | 67% | 60% | 57% | 48% |
| 215 | 97% | 90% | 77% | 71% | 69% | 60% |
| 220 | 98% | 94% | 84% | 80% | 78% | 71% |
| 225 | 99% | 96% | 90% | 87% | 86% | 80% |
| 230 | 99% | 98% | 94% | 92% | 91% | 87% |
| 235 | 100% | 99% | 96% | 95% | 94% | 92% |
| 240 | 100% | 99% | 98% | 97% | 96% | 95% |
| 245 | 100% | 99% | 99% | 98% | 98% | 97% |
| 250 | 100% | 100% | 99% | 99% | 99% | 98% |
| 255 | 100% | 100% | 99% | 99% | 99% | 99% |
| 260 | 100% | 100% | 100% | 100% | 99% | 99% |
| 265 | 100% | 100% | 100% | 100% | 100% | 100% |
| 270 | 100% | 100% | 100% | 100% | 100% | 100% |
| 275 | 100% | 100% | 100% | 100% | 100% | 100% |
| 280 | 100% | 100% | 100% | 100% | 100% | 100% |
| 285 | 100% | 100% | 100% | 100% | 100% | 100% |
| 290 | 100% | 100% | 100% | 100% | 100% | 100% |
| 295 | 100% | 100% | 100% | 100% | 100% | 100% |
| 300 | 100% | 100% | 100% | 100% | 100% | 100% |

Note: This table provides the estimated probability of passing the NDSA in fall, based on a MAP test score taken during the same (fall) season. Example: if a current third grade student had scored 165 on a MAP test taken during that same (fall) season, the estimated probability of scoring proficient or better on the grade 3 NDSA is 17%.

Table 10 – Estimated Probability of scoring as Proficient or Higher on the North Dakota Mathematics Test Based on Prior Season (Spring) MAP Score, by Student Grade and RIT Score Range on MAP Mathematics

| Estimated Probability of Passing State Test for Student with Given RIT Score | | | | | | |
|---|----------------|----------------|----------------|----------------|----------------|----------------|
| RIT Range | Grade 3 | Grade 4 | Grade 5 | Grade 6 | Grade 7 | Grade 8 |
| 130 | 1% | 0% | 0% | 0% | 0% | 0% |
| 135 | 2% | 0% | 0% | 0% | 0% | 0% |
| 140 | 3% | 1% | 0% | 0% | 0% | 0% |
| 145 | 4% | 1% | 1% | 0% | 0% | 0% |
| 150 | 7% | 1% | 1% | 0% | 0% | 0% |
| 155 | 11% | 2% | 1% | 1% | 0% | 0% |
| 160 | 17% | 4% | 2% | 1% | 1% | 0% |
| 165 | 25% | 6% | 4% | 1% | 1% | 0% |
| 170 | 36% | 10% | 6% | 2% | 1% | 1% |
| 175 | 48% | 16% | 9% | 4% | 2% | 1% |
| 180 | 60% | 23% | 14% | 6% | 4% | 1% |
| 185 | 71% | 33% | 22% | 10% | 6% | 2% |
| 190 | 80% | 45% | 31% | 16% | 9% | 4% |
| 195 | 87% | 57% | 43% | 23% | 14% | 6% |
| 200 | 92% | 69% | 55% | 33% | 22% | 9% |
| 205 | 95% | 78% | 67% | 45% | 31% | 14% |
| 210 | 97% | 86% | 77% | 57% | 43% | 22% |
| 215 | 98% | 91% | 84% | 69% | 55% | 31% |
| 220 | 99% | 94% | 90% | 78% | 67% | 43% |
| 225 | 99% | 96% | 94% | 86% | 77% | 55% |
| 230 | 100% | 98% | 96% | 91% | 84% | 67% |
| 235 | 100% | 99% | 98% | 94% | 90% | 77% |
| 240 | 100% | 99% | 99% | 96% | 94% | 84% |
| 245 | 100% | 99% | 99% | 98% | 96% | 90% |
| 250 | 100% | 100% | 99% | 99% | 98% | 94% |
| 255 | 100% | 100% | 100% | 99% | 99% | 96% |
| 260 | 100% | 100% | 100% | 99% | 99% | 98% |
| 265 | 100% | 100% | 100% | 100% | 99% | 99% |
| 270 | 100% | 100% | 100% | 100% | 100% | 99% |
| 275 | 100% | 100% | 100% | 100% | 100% | 99% |
| 280 | 100% | 100% | 100% | 100% | 100% | 100% |
| 285 | 100% | 100% | 100% | 100% | 100% | 100% |
| 290 | 100% | 100% | 100% | 100% | 100% | 100% |
| 295 | 100% | 100% | 100% | 100% | 100% | 100% |
| 300 | 100% | 100% | 100% | 100% | 100% | 100% |

Note: This table provides the estimated probability of passing the NDSA in fall, based on a MAP test score taken during the previous (spring) season. Example: if a current third grade student had scored 165 on a MAP test taken during her/his previous (spring) season, the estimated probability of scoring proficient or better on the grade 3 NDSA is 25%.

Note: Refer to the grade in which the student is enrolled at the time he/she takes the NDSA (Fall)

Table 11 – Estimated Probability of scoring as Proficient or Higher on the North Dakota Reading Test Based on Prior Season (Spring) MAP Score, by Student Grade and RIT Score Range on MAP Reading

| Estimated Probability of Passing State Test for Student with Given RIT Score | | | | | | |
|---|----------------|----------------|----------------|----------------|----------------|----------------|
| RIT Range | Grade 3 | Grade 4 | Grade 5 | Grade 6 | Grade 7 | Grade 8 |
| 130 | 1% | 0% | 0% | 0% | 0% | 0% |
| 135 | 1% | 0% | 0% | 0% | 0% | 0% |
| 140 | 2% | 1% | 0% | 0% | 0% | 0% |
| 145 | 4% | 1% | 0% | 0% | 0% | 0% |
| 150 | 6% | 2% | 1% | 0% | 0% | 0% |
| 155 | 10% | 3% | 1% | 1% | 1% | 0% |
| 160 | 16% | 5% | 2% | 1% | 1% | 1% |
| 165 | 23% | 8% | 3% | 2% | 2% | 1% |
| 170 | 33% | 12% | 4% | 3% | 3% | 2% |
| 175 | 45% | 18% | 7% | 5% | 5% | 3% |
| 180 | 57% | 27% | 11% | 8% | 8% | 5% |
| 185 | 69% | 38% | 17% | 12% | 13% | 8% |
| 190 | 78% | 50% | 25% | 18% | 20% | 12% |
| 195 | 86% | 62% | 36% | 27% | 29% | 18% |
| 200 | 91% | 73% | 48% | 38% | 40% | 27% |
| 205 | 94% | 82% | 60% | 50% | 52% | 38% |
| 210 | 96% | 88% | 71% | 62% | 64% | 50% |
| 215 | 98% | 92% | 80% | 73% | 75% | 62% |
| 220 | 99% | 95% | 87% | 82% | 83% | 73% |
| 225 | 99% | 97% | 92% | 88% | 89% | 82% |
| 230 | 99% | 98% | 95% | 92% | 93% | 88% |
| 235 | 100% | 99% | 97% | 95% | 96% | 92% |
| 240 | 100% | 99% | 98% | 97% | 97% | 95% |
| 245 | 100% | 100% | 99% | 98% | 98% | 97% |
| 250 | 100% | 100% | 99% | 99% | 99% | 98% |
| 255 | 100% | 100% | 100% | 99% | 99% | 99% |
| 260 | 100% | 100% | 100% | 100% | 100% | 99% |
| 265 | 100% | 100% | 100% | 100% | 100% | 100% |
| 270 | 100% | 100% | 100% | 100% | 100% | 100% |
| 275 | 100% | 100% | 100% | 100% | 100% | 100% |
| 280 | 100% | 100% | 100% | 100% | 100% | 100% |
| 285 | 100% | 100% | 100% | 100% | 100% | 100% |
| 290 | 100% | 100% | 100% | 100% | 100% | 100% |
| 295 | 100% | 100% | 100% | 100% | 100% | 100% |
| 300 | 100% | 100% | 100% | 100% | 100% | 100% |

Note: This table provides the estimated probability of passing the NDSA in fall, based on a MAP test score taken during the previous (spring) season. Example: if a current third grade student had scored 165 on a MAP test taken during her/his previous (spring) season, the estimated probability of scoring proficient or better on the grade 3 NDSA is 23%.

Note: Refer to the grade in which the student is enrolled at the time he/she takes the NDSA (Fall)

Table 12 – Estimated Probability of scoring as Proficient or Higher on the North Dakota English Language Arts Test Based on Prior Season (Spring) MAP Score, by Student Grade and RIT Score Range on MAP Language Usage

| Estimated Probability of Passing State Test for Student with Given RIT Score | | | | | | |
|---|----------------|----------------|----------------|----------------|----------------|----------------|
| RIT Range | Grade 3 | Grade 4 | Grade 5 | Grade 6 | Grade 7 | Grade 8 |
| 130 | 1% | 0% | 0% | 0% | 0% | 0% |
| 135 | 1% | 0% | 0% | 0% | 0% | 0% |
| 140 | 2% | 1% | 0% | 0% | 0% | 0% |
| 145 | 3% | 1% | 0% | 0% | 0% | 0% |
| 150 | 5% | 1% | 1% | 0% | 0% | 0% |
| 155 | 8% | 2% | 1% | 1% | 1% | 0% |
| 160 | 13% | 4% | 1% | 1% | 1% | 1% |
| 165 | 20% | 6% | 2% | 2% | 1% | 1% |
| 170 | 29% | 10% | 4% | 3% | 2% | 2% |
| 175 | 40% | 16% | 6% | 4% | 4% | 3% |
| 180 | 52% | 23% | 10% | 7% | 6% | 5% |
| 185 | 64% | 33% | 16% | 11% | 9% | 8% |
| 190 | 75% | 45% | 23% | 17% | 14% | 12% |
| 195 | 83% | 57% | 33% | 25% | 22% | 18% |
| 200 | 89% | 69% | 45% | 36% | 31% | 27% |
| 205 | 93% | 78% | 57% | 48% | 43% | 38% |
| 210 | 96% | 86% | 69% | 60% | 55% | 50% |
| 215 | 97% | 91% | 78% | 71% | 67% | 62% |
| 220 | 98% | 94% | 86% | 80% | 77% | 73% |
| 225 | 99% | 96% | 91% | 87% | 84% | 82% |
| 230 | 99% | 98% | 94% | 92% | 90% | 88% |
| 235 | 100% | 99% | 96% | 95% | 94% | 92% |
| 240 | 100% | 99% | 98% | 97% | 96% | 95% |
| 245 | 100% | 99% | 99% | 98% | 98% | 97% |
| 250 | 100% | 100% | 99% | 99% | 99% | 98% |
| 255 | 100% | 100% | 99% | 99% | 99% | 99% |
| 260 | 100% | 100% | 100% | 100% | 99% | 99% |
| 265 | 100% | 100% | 100% | 100% | 100% | 100% |
| 270 | 100% | 100% | 100% | 100% | 100% | 100% |
| 275 | 100% | 100% | 100% | 100% | 100% | 100% |
| 280 | 100% | 100% | 100% | 100% | 100% | 100% |
| 285 | 100% | 100% | 100% | 100% | 100% | 100% |
| 290 | 100% | 100% | 100% | 100% | 100% | 100% |
| 295 | 100% | 100% | 100% | 100% | 100% | 100% |
| 300 | 100% | 100% | 100% | 100% | 100% | 100% |

Note: This table provides the estimated probability of passing the NDSA in fall, based on a MAP test score taken during the previous (spring) season. Example: if a current third grade student had scored 165 on a MAP test taken during her/his previous (spring) season, the estimated probability of scoring proficient or better on the grade 3 NDSA is 20%.

Note: Refer to the grade in which the student is enrolled at the time he/she takes the NDSA (Fall)