

Arizona Proficiency Tables from Scale Alignment Study

These tables were extracted from "A Study of the Alignment of the NWEA RIT Scale with the Arizona Assessment System," John Cronin, Ph.D. and Michael Dahlin, Ph.D., March, 2007. For a copy of the full report, please visit NWEA's web site at www.nwea.org >> Research >> State Information.

NWEA determines a *cut score* that best matches the score that is equivalent to the minimum proficiency score on the state test. Because this score is barely passing, if retested, students with this score would have about a 50% probability of passing. Consequently, the minimum RIT score for proficiency is aligned with 50% probability of passing. Tables showing the level of performance needed for higher probability of passing are provided. NWEA Scale Alignment Studies typically produce 80 – 90% predictive accuracy rates.

Reading

Table 3 – Recommended prior-season (fall) RIT cut scores for Arizona performance levels – Reading

Grade	Falls Far Below		Approaches		Meets		Exceeds	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile	
3	<162	162	5	180	23	203	81	
4	<177	177	8	191	25	211	81	
5	<184	184	8	198	25	216	77	
6	<195	195	13	206	32	223	81	
7	<197	197	11	209	30	229	86	
8	<207	207	18	215	36	234	89	

Table 7 – Proportion of students passing the Arizona state reading assessment based on prior-season (fall) reading RIT range

RIT Range	Percent in this range who pass					
	3	4	5	6	7	8
150	6%	2%	1%	0%	0%	0%
155	9%	3%	2%	1%	1%	0%
160	14%	5%	3%	1%	1%	1%
165	22%	8%	4%	2%	1%	1%
170	31%	13%	7%	3%	2%	1%
175	43%	20%	11%	5%	4%	2%
180	55%	29%	17%	8%	6%	4%
185	67%	40%	25%	13%	10%	6%
190	77%	52%	36%	20%	16%	9%
195	84%	64%	48%	29%	23%	14%
200	90%	75%	60%	40%	33%	22%
205	94%	83%	71%	52%	45%	31%
210	96%	89%	80%	64%	57%	43%
215	98%	93%	87%	75%	69%	55%
220	99%	96%	92%	83%	78%	67%
225	99%	97%	95%	89%	86%	77%
230	99%	98%	97%	93%	91%	84%
235	100%	99%	98%	96%	94%	90%
240	100%	99%	99%	97%	96%	94%
245	100%	100%	99%	98%	98%	96%

Mathematics

Table 4 – Recommended prior-season (fall) RIT cut scores for Arizona performance levels – Mathematics

Grade	Falls Far Below		Approaches		Meets		Exceeds	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile	
3	<176	176	9	187	32	205	87	
4	<187	187	11	197	29	214	84	
5	<196	196	12	206	34	222	80	
6	<205	205	18	215	41	232	85	
7	<207	207	15	219	37	240	86	
8	<216	216	22	227	43	247	87	

Table 8 – Proportion of students passing the Arizona state mathematics assessment based on prior-season (fall) mathematics RIT range

RIT Range	Percent in this range who pass					
	3	4	5	6	7	8
155	5%	2%	1%	0%	0%	0%
160	8%	3%	1%	1%	0%	0%
165	12%	5%	2%	1%	1%	0%
170	18%	8%	3%	1%	1%	0%
175	27%	12%	5%	2%	1%	1%
180	38%	18%	8%	4%	2%	1%
185	50%	27%	13%	6%	4%	2%
190	62%	38%	20%	9%	6%	3%
195	73%	50%	29%	14%	10%	5%
200	82%	62%	40%	22%	16%	8%
205	88%	73%	52%	31%	23%	12%
210	92%	82%	64%	43%	33%	18%
215	95%	88%	75%	55%	45%	27%
220	97%	92%	83%	67%	57%	38%
225	98%	95%	89%	77%	69%	50%
230	99%	97%	93%	84%	78%	62%
235	99%	98%	96%	90%	86%	73%
240	100%	99%	97%	94%	91%	82%
245	100%	99%	98%	96%	94%	88%
250	100%	100%	99%	98%	96%	92%
255	100%	100%	99%	99%	98%	95%

California Proficiency Tables from Scale Alignment Study

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NWEA determines a *cut score* that best matches the score that is equivalent to the minimum proficiency score on the state test. Because this score is barely passing, if retested, students with this score would have about a 50% probability of passing. Consequently, the minimum RIT score for proficiency is aligned with 50% probability of passing. Tables showing the level of performance needed for higher probability of passing are provided. NWEA Scale Alignment Studies typically produce 80 – 90% predictive accuracy rates.

Reading

Table 4 – Recommended prior-season (fall) RIT cut scores for California performance levels – Reading

Grade	Far Below Basic	Below Basic		Basic		Proficient		Advanced	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile
2	<153	153	4	161	18	177	49	193	84
3	<167	167	8	180	23	196	62	208	91
4	<171	171	5	183	14	199	45	209	75
5	<184	184	8	195	19	209	55	218	82
6	<188	188	7	201	21	215	58	225	85
7	<190	190	6	205	21	217	52	229	86
8	<194	194	6	209	22	222	57	233	87
9	<200	200	8	211	21	221	45	232	79
10	<209	209	12	218	27	230	63	238	87

Table 10 – Proportion of students passing the California state reading assessment based on prior-season (fall) reading RIT range

RIT Range	Percent in this range who pass									
	2	3	4	5	6	7	8	9	10	
145	5%	1%	1%	0%	0%	0%	0%	0%	0%	
150	8%	1%	1%	0%	0%	0%	0%	0%	0%	
155	12%	2%	1%	1%	0%	0%	0%	0%	0%	
160	18%	3%	2%	1%	1%	0%	0%	0%	0%	
165	27%	5%	4%	1%	1%	1%	0%	0%	0%	
170	38%	8%	6%	2%	1%	1%	1%	1%	0%	
175	50%	13%	10%	4%	2%	2%	1%	1%	1%	
180	62%	20%	16%	6%	4%	3%	2%	2%	1%	
185	73%	29%	23%	10%	6%	5%	3%	3%	1%	
190	82%	40%	33%	16%	9%	8%	5%	5%	2%	
195	88%	52%	45%	23%	14%	12%	8%	8%	4%	
200	92%	64%	57%	33%	22%	18%	12%	13%	6%	
205	95%	75%	69%	45%	31%	27%	18%	20%	9%	
210	97%	83%	78%	57%	43%	38%	27%	29%	14%	
215	98%	89%	86%	69%	55%	50%	38%	40%	22%	
220	99%	93%	91%	78%	67%	62%	50%	52%	31%	
225	99%	96%	94%	86%	77%	73%	62%	64%	43%	
230	100%	97%	96%	91%	84%	82%	73%	75%	55%	
235	100%	98%	98%	94%	90%	88%	82%	83%	67%	
240	100%	99%	99%	96%	94%	92%	88%	89%	77%	
245	100%	99%	99%	98%	96%	95%	92%	93%	84%	
250	100%	100%	99%	99%	98%	97%	95%	96%	90%	
255	100%	100%	100%	99%	99%	98%	97%	97%	94%	
260	100%	100%	100%	99%	99%	99%	98%	98%	96%	

Mathematics

Table 6 – Recommended prior-season (fall) RIT cut scores for California performance levels – Mathematics

Grade	Far Below Basic	Below Basic		Basic		Proficient		Advanced	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile
2	<158	158	2	169	19	177	44	187	77
3	<166	166	2	183	22	192	47	202	80
4	<177	177	3	195	24	205	57	214	84
5	<191	191	7	205	31	214	59	225	86
6	<193	193	6	210	29	223	64	237	92
7	<197	197	6	216	30	228	59	245	92
8	<201	201	6	221	30	234	59	251	92

Note: Shaded text denotes extrapolated cut score

Table 12 – Proportion of students passing the California state mathematics assessment based on prior-season (fall) mathematics RIT range

RIT Range	Percent in this range who pass							
	2	3	4	5	6	7	8	
145	5%	1%	0%	0%	0%	0%	0%	
150	8%	2%	1%	0%	0%	0%	0%	
155	12%	3%	1%	0%	0%	0%	0%	
160	18%	5%	1%	1%	0%	0%	0%	
165	27%	8%	2%	1%	0%	0%	0%	
170	38%	12%	4%	1%	1%	0%	0%	
175	50%	18%	6%	2%	1%	1%	0%	
180	62%	27%	9%	4%	2%	1%	1%	
185	73%	38%	14%	6%	3%	2%	1%	
190	82%	50%	22%	10%	4%	3%	1%	
195	88%	62%	31%	16%	7%	4%	2%	
200	92%	73%	43%	23%	11%	7%	4%	
205	95%	82%	55%	33%	17%	11%	6%	
210	97%	88%	67%	45%	25%	17%	10%	
215	98%	92%	77%	57%	36%	25%	16%	
220	99%	95%	84%	69%	48%	36%	23%	
225	99%	97%	90%	78%	60%	48%	33%	
230	100%	98%	94%	86%	71%	60%	45%	
235	100%	99%	96%	91%	80%	71%	57%	
240	100%	99%	98%	94%	87%	80%	69%	
245	100%	100%	99%	96%	92%	87%	78%	
250	100%	100%	99%	98%	95%	92%	86%	
255	100%	100%	99%	99%	97%	95%	91%	
260	100%	100%	100%	99%	98%	97%	94%	
265	100%	100%	100%	99%	99%	98%	96%	

Colorado Proficiency Tables from Scale Alignment Study

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Reading

Table 3 – Recommended prior-season (fall) RIT cut scores for Colorado performance levels – Reading

Grade	Unsatisfactory	Partially Proficient		Proficient		Advanced	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile
3	<165	165	7	183	29	211	94
4	<180	180	11	197	39	218	94
5	<188	188	11	201	32	223	92
6	<195	195	13	208	37	228	91
7	<202	202	17	213	40	234	94
8	<204	204	14	217	42	236	92
9	<198	198	7	217	34	241	96
10	<205	205	9	222	37	242	93

Table 7 – Proportion of students passing the Colorado state reading assessment based on prior-season (fall) reading RIT range

RIT Range	Percent in this range who pass							
	3	4	5	6	7	8	9	10
155	7%	2%	1%	1%	0%	0%	0%	0%
160	11%	3%	2%	1%	1%	0%	0%	0%
165	17%	5%	3%	2%	1%	1%	1%	0%
170	25%	8%	5%	3%	2%	1%	1%	1%
175	36%	12%	8%	4%	3%	2%	2%	1%
180	48%	18%	13%	7%	4%	3%	3%	2%
185	60%	27%	20%	11%	7%	5%	5%	3%
190	71%	38%	29%	17%	11%	8%	8%	5%
195	80%	50%	40%	25%	17%	12%	12%	8%
200	87%	62%	52%	36%	25%	18%	18%	12%
205	92%	73%	64%	48%	36%	27%	27%	18%
210	95%	82%	75%	60%	48%	38%	38%	27%
215	97%	88%	83%	71%	60%	50%	50%	38%
220	98%	92%	89%	80%	71%	62%	62%	50%
225	99%	95%	93%	87%	80%	73%	73%	62%
230	99%	97%	96%	92%	87%	82%	82%	73%
235	100%	98%	97%	95%	92%	88%	88%	82%
240	100%	99%	98%	97%	95%	92%	92%	88%
245	100%	99%	99%	98%	97%	95%	95%	92%
250	100%	100%	99%	99%	98%	97%	97%	95%

Mathematics

Table 4 – Recommended prior-season (fall) RIT cut scores for Colorado performance levels – Mathematics

Grade	Unsatisfactory	Partially Proficient		Proficient		Advanced	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile
3	<173	173	6	188	35	200	74
4	<184	184	8	198	32	211	77
5	<193	193	9	206	34	218	70
6	<203	203	16	217	47	229	79
7	<210	210	20	227	57	240	86
8	<218	218	25	233	58	244	82
9	<225	225	31	241	68	253	91
10	<231	231	33	247	72	262	96

Table 8 – Proportion of students passing the Colorado state mathematics assessment based on prior-season (fall) mathematics RIT range

RIT Range	Percent in this range who pass							
	3	4	5	6	7	8	9	10
160	7%	3%	1%	0%	0%	0%	0%	0%
165	11%	4%	2%	1%	0%	0%	0%	0%
170	17%	7%	3%	1%	0%	0%	0%	0%
175	25%	11%	5%	2%	1%	0%	0%	0%
180	36%	17%	8%	3%	1%	1%	0%	0%
185	48%	25%	13%	5%	2%	1%	0%	0%
190	60%	36%	20%	8%	3%	2%	1%	0%
195	71%	48%	29%	12%	5%	3%	1%	1%
200	80%	60%	40%	18%	8%	4%	2%	1%
205	87%	71%	52%	27%	12%	7%	3%	2%
210	92%	80%	64%	38%	18%	11%	5%	3%
215	95%	87%	75%	50%	27%	17%	8%	5%
220	97%	92%	83%	62%	38%	25%	13%	8%
225	98%	95%	89%	73%	50%	36%	20%	12%
230	99%	97%	93%	82%	62%	48%	29%	18%
235	99%	98%	96%	88%	73%	60%	40%	27%
240	100%	99%	97%	92%	82%	71%	52%	38%
245	100%	99%	98%	95%	88%	80%	64%	50%
250	100%	100%	99%	97%	92%	87%	75%	62%
255	100%	100%	99%	98%	95%	92%	83%	73%
260	100%	100%	100%	99%	97%	95%	89%	82%
265	100%	100%	100%	99%	98%	97%	93%	88%
270	100%	100%	100%	100%	99%	98%	96%	92%
275	100%	100%	100%	100%	99%	99%	97%	95%

Delaware Proficiency Tables from Scale Alignment Study

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Reading

Table 3 – Recommended prior-season (fall) RIT cut scores for Delaware performance levels – Reading

Grade	Well Below the Standard	Below the Standard		Meets the Standard		Exceeds the Standard		Distinguished	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile
2	-	<164	-	164	24	185	67	209	99
3	<173	173	13	183	29	200	73	207	89
4	<183	183	14	194	32	208	73	216	91
5	<187	187	10	197	23	214	71	223	92
6	<193	193	11	204	27	221	76	233	96
7	<195	195	9	206	23	226	79	235	95
8	<197	197	8	208	20	230	80	241	97
9	<201	201	9	211	21	232	79	239	93
10	<205	205	9	218	27	241	92	246	97

Table 7 – Proportion of students passing the Delaware state reading assessment based on prior-season (fall) reading RIT range

RIT Range	Percent in this range who pass									
	2	3	4	5	6	7	8	9	10	
140	10%	2%	1%	0%	0%	0%	0%	0%	0%	
145	16%	3%	1%	1%	0%	0%	0%	0%	0%	
150	23%	4%	1%	1%	1%	0%	0%	0%	0%	
155	33%	7%	2%	2%	1%	1%	1%	0%	0%	
160	45%	11%	4%	3%	1%	1%	1%	1%	0%	
165	57%	17%	6%	5%	2%	2%	2%	1%	1%	
170	69%	25%	10%	8%	4%	3%	3%	2%	1%	
175	78%	36%	16%	12%	6%	5%	4%	3%	2%	
180	86%	48%	23%	18%	10%	8%	7%	5%	3%	
185	91%	60%	33%	27%	16%	13%	11%	8%	4%	
190	94%	71%	45%	38%	23%	20%	17%	13%	7%	
195	96%	80%	57%	50%	33%	29%	25%	20%	11%	
200	98%	87%	69%	62%	45%	40%	36%	29%	17%	
205	99%	92%	78%	73%	57%	52%	48%	40%	25%	
210	99%	95%	86%	82%	69%	64%	60%	52%	36%	
215	99%	97%	91%	88%	78%	75%	71%	64%	48%	
220	100%	98%	94%	92%	86%	83%	80%	75%	60%	
225	100%	99%	96%	95%	91%	89%	87%	83%	71%	
230	100%	99%	98%	97%	94%	93%	92%	89%	80%	
235	100%	100%	99%	98%	96%	96%	95%	93%	87%	
240	100%	100%	99%	99%	98%	97%	97%	96%	92%	
245	100%	100%	99%	99%	99%	98%	98%	97%	95%	

Mathematics

Table 4 – Recommended prior-season (fall) RIT cut scores for Delaware performance levels – Mathematics

Grade	Well Below the Standard	Below the Standard		Meets the Standard		Exceeds the Standard		Distinguished	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile
2	-	<166	-	166	12	181	59	205	99
3	<177	177	10	185	27	198	68	207	91
4	<187	187	11	196	27	209	71	216	88
5	<194	194	10	203	26	221	77	229	92
6	<204	204	18	210	29	227	74	232	85
7	<214	214	26	219	37	233	72	238	83
8	<218	218	25	224	36	237	68	242	79
9	<217	217	19	229	39	241	68	247	81
10	<225	225	23	234	39	246	69	252	82

Table 8 – Proportion of students passing the Delaware state mathematics assessment based on prior-season (fall) mathematics RIT range

RIT Range	Percent in this range who pass									
	2	3	4	5	6	7	8	9	10	
140	8%	1%	0%	0%	0%	0%	0%	0%	0%	
145	13%	2%	1%	0%	0%	0%	0%	0%	0%	
150	20%	4%	1%	1%	0%	0%	0%	0%	0%	
155	29%	6%	2%	1%	1%	0%	0%	0%	0%	
160	40%	9%	3%	2%	1%	0%	0%	0%	0%	
165	52%	14%	5%	3%	1%	1%	0%	0%	0%	
170	64%	22%	8%	4%	2%	1%	1%	0%	0%	
175	75%	31%	13%	7%	4%	1%	1%	1%	0%	
180	83%	43%	20%	11%	6%	2%	1%	1%	1%	
185	89%	55%	29%	17%	9%	4%	2%	1%	1%	
190	93%	67%	40%	25%	14%	6%	4%	2%	1%	
195	96%	77%	52%	36%	22%	10%	6%	4%	2%	
200	97%	84%	64%	48%	31%	16%	10%	6%	4%	
205	98%	90%	75%	60%	43%	23%	16%	10%	6%	
210	99%	94%	83%	71%	55%	33%	23%	16%	10%	
215	99%	96%	89%	80%	67%	45%	33%	23%	16%	
220	100%	98%	93%	87%	77%	57%	45%	33%	23%	
225	100%	99%	96%	92%	84%	69%	57%	45%	33%	
230	100%	99%	97%	95%	90%	78%	69%	57%	45%	
235	100%	99%	98%	97%	94%	86%	78%	69%	57%	
240	100%	100%	99%	98%	96%	91%	86%	78%	69%	
245	100%	100%	99%	99%	98%	94%	91%	86%	78%	
250	100%	100%	100%	99%	99%	96%	94%	91%	86%	
255	100%	100%	100%	100%	99%	98%	96%	94%	91%	
260	100%	100%	100%	100%	99%	99%	98%	96%	94%	
265	100%	100%	100%	100%	100%	99%	99%	98%	96%	

Florida Proficiency Tables from Scale Alignment Study

These tables were extracted from "A Study of the Alignment of the NWEA RIT Scale with the Florida Comprehensive Assessment Test," Michael P. Dahlin, Ph.D., September, 2007. For a copy of the full report, please visit NWEA's web site at www.nwea.org >> Research >> State Information.

NWEA determines a *cut score* that best matches the score that is equivalent to the minimum proficiency score on the state test. Because this score is barely passing, if retested, students with this score would have about a 50% probability of passing. Consequently, the minimum RIT score for proficiency is aligned with 50% probability of passing. Tables showing the level of performance needed for higher probability of passing are provided. NWEA Scale Alignment Studies typically produce 80 – 90% predictive accuracy rates.

Reading

Table 4 – Minimum Estimated Prior-Season (Fall) RIT Cut Scores Corresponding to Florida Performance Levels – Reading

Grade	Level 1			Level 2		Level 3		Level 4		Level 5	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile
2	<162	162	19	169	33	188	73	201	95		
3	<177	177	19	185	33	200	73	212	95		
4	<190	190	24	198	42	209	75	220	96		
5	<199	199	27	209	55	218	82	227	96		
6	<197	197	15	207	34	220	74	230	93		
7	<200	200	14	212	37	224	74	234	94		
8	<208	208	20	220	51	233	87	241	97		
9	<212	212	23	226	61	235	86	241	96		
10	<223	223	40	234	76	238	87	241	92		

Table 8 – Estimated Probability of Passing State Reading Test Based on Prior Season (Fall) MAP Score, by Student Grade and RIT Score Range on MAP Reading

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

Note: Shaded text denotes extrapolated cut score due to insufficient sample sizes.

Mathematics

Table 3 – Minimum Estimated Prior-Season (Fall) RIT Cut Scores Corresponding to Florida Performance Levels – Mathematics

Grade	Level 1			Level 2		Level 3		Level 4		Level 5	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile
2	<169	169	17	174	32	183	64	193	89		
3	<181	181	17	187	32	197	64	206	89		
4	<190	190	15	201	42	210	74	220	93		
5	<201	201	21	210	46	220	75	230	93		
6	<211	211	32	219	53	229	79	238	93		
7	<212	212	23	222	44	234	74	243	90		
8	<211	211	15	222	32	236	65	244	82		
9	<211	211	12	225	31	239	63	251	88		
10	<215	215	11	229	29	241	57	257	91		

Table 7 – Estimated Probability of Passing State Mathematics Test Based on Prior Season (Fall) MAP Score, by Student Grade and RIT Score Range on MAP Mathematics

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

Note: Shaded text denotes extrapolated cut score due to insufficient sample sizes.

Georgia Proficiency Tables from Scale Alignment Study

These tables were extracted from "A Study of the Alignment of the NWEA RIT Scale with the Georgia Criterion-Referenced Competency Tests (CRCT)," Michael Dahlin, Ph.D., August, 2007. For a copy of the full report, please visit NWEA's web site at www.nwea.org >> Research >> State Information.

NWEA determines a *cut score* that best matches the score that is equivalent to the minimum proficiency score on the state test. Because this score is barely passing, if retested, students with this score would have about a 50% probability of passing. Consequently, the minimum RIT score for proficiency is aligned with 50% probability of passing. Tables showing the level of performance needed for higher probability of passing are provided. NWEA Scale Alignment Studies typically produce 80 – 90% predictive accuracy rates.

Reading

Table 7 – Minimum estimated prior-season (fall) RIT cut scores corresponding to Georgia performance levels – Reading

Grade	Does Not Meet			Meets Standards		Exceeds Standards	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile
2	<156	156	9	180	54		
3	<175	175	16	200	73		
4	<185	185	16	209	74		
5	<189	189	12	217	79		
6	<188	188	7	220	74		
7	<198	198	12	229	84		
8	<197	197	8	231	82		

Table 17 – Estimated probability of passing state reading test based on prior-season (fall) MAP score, by student grade and RIT score range on MAP Reading

RIT Range	Estimated Probability of Passing State Test for Student with Given RIT Score							
	2	3	4	5	6	7	8	
125	5%	1%	0%	0%	0%	0%	0%	
130	8%	1%	1%	0%	0%	0%	0%	
135	13%	2%	1%	1%	1%	0%	0%	
140	20%	4%	1%	1%	1%	0%	0%	
145	29%	6%	2%	1%	2%	1%	1%	
150	40%	9%	4%	2%	3%	1%	1%	
155	52%	14%	6%	4%	4%	2%	2%	
160	64%	22%	9%	6%	7%	3%	3%	
165	75%	31%	14%	10%	11%	4%	5%	
170	83%	43%	22%	16%	17%	7%	8%	
175	89%	55%	31%	23%	25%	11%	12%	
180	93%	67%	43%	33%	36%	17%	18%	
185	96%	77%	55%	45%	48%	25%	27%	
190	97%	84%	67%	57%	60%	36%	38%	
195	98%	90%	77%	69%	71%	48%	50%	
200	99%	94%	84%	78%	80%	60%	62%	
205	99%	96%	90%	86%	87%	71%	73%	
210	100%	98%	94%	91%	92%	80%	82%	
215	100%	99%	96%	94%	95%	87%	88%	
220	100%	99%	98%	96%	97%	92%	92%	
225	100%	99%	99%	98%	98%	95%	95%	
230	100%	100%	99%	99%	99%	97%	97%	
235	100%	100%	99%	99%	99%	98%	98%	
240	100%	100%	100%	99%	100%	99%	99%	
245	100%	100%	100%	100%	100%	99%	99%	

Mathematics

Table 6 – Minimum estimated prior-season (fall) RIT cut scores corresponding to Georgia performance levels – Mathematics

Grade	Does Not Meet			Meets Standards		Exceeds Standards	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile
2	<170	170	21	192	87		
3	<175	175	8	199	71		
4	<195	195	23	212	79		
5	<194	194	10	218	70		
6	<212	212	33	231	82		
7	<212	212	22	234	74		
8	<211	211	15	237	67		

Table 16 – Estimated probability of passing state mathematics test based on prior-season (fall) MAP score, by student grade and RIT score range on MAP Mathematics

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

Idaho Proficiency Tables from Scale Alignment Study

These tables were extracted from "A Study of the Alignment of the NWEA RIT Scale with the Idaho Assessment System," Deborah Adkins and Michael P. Dahlin, Ph.D., March, 2007. For a copy of the full report, please visit NWEA's web site at www.nwea.org >> Research >> State Information.

NWEA determines a *cut score* that best matches the score that is equivalent to the minimum proficiency score on the state test. Because this score is barely passing, if retested, students with this score would have about a 50% probability of passing. Consequently, the minimum RIT score for proficiency is aligned with 50% probability of passing. Tables showing the level of performance needed for higher probability of passing are provided. NWEA Scale Alignment Studies typically produce 80 – 90% predictive accuracy rates.

Reading

Table 4 – Recommended prior-season (fall) RIT cut scores for Idaho performance levels – Reading

Grade	Below Basic		Basic		Proficient		Advanced	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile	
3	<173	173	13	185	33	206	87	
4	<183	183	14	193	29	214	87	
5	<189	189	12	199	27	221	89	
6	<196	196	14	204	27	225	85	
7	<203	203	18	208	27	229	86	
8	<205	205	16	210	24	233	87	
10	<215	215	21	218	27	238	87	

Table 10 – Proportion of students passing the Idaho state reading assessment based on prior-season (fall) reading RIT range

RIT Range	Percent in this range who pass						
	3	4	5	6	7	8	10
150	4%	2%	1%	1%	0%	0%	0%
155	6%	3%	1%	1%	0%	1%	0%
160	9%	4%	2%	1%	1%	1%	0%
165	14%	7%	4%	2%	2%	1%	1%
170	22%	11%	6%	4%	3%	2%	1%
175	31%	17%	10%	6%	4%	4%	2%
180	43%	25%	16%	10%	7%	6%	3%
185	55%	36%	23%	16%	11%	9%	4%
190	67%	48%	33%	23%	17%	14%	7%
195	77%	60%	45%	33%	25%	22%	11%
200	84%	71%	57%	45%	36%	31%	17%
205	90%	80%	69%	57%	48%	43%	25%
210	94%	87%	78%	69%	60%	55%	36%
215	96%	92%	86%	78%	71%	67%	48%
220	98%	95%	91%	86%	80%	77%	60%
225	99%	97%	94%	91%	87%	84%	71%
230	99%	98%	96%	94%	92%	90%	80%
235	99%	99%	98%	96%	95%	94%	87%
240	100%	99%	99%	98%	97%	96%	92%
245	100%	100%	99%	99%	98%	98%	95%

Mathematics

Table 6 – Recommended prior-season (fall) RIT cut scores for Idaho performance levels – Mathematics

Grade	Below Basic		Basic		Proficient		Advanced	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile	
3	<180	180	15	193	51	205	87	
4	<193	193	20	204	53	215	86	
5	<200	200	19	211	50	227	89	
6	<209	209	27	218	50	232	85	
7	<216	216	30	223	47	237	81	
8	<222	222	32	229	48	244	82	
10	<232	232	35	238	50	255	88	

Table 12 – Proportion of students passing the Idaho state mathematics assessment based on prior-season (fall) mathematics RIT range

RIT Range	Percent in this range who pass						
	3	4	5	6	7	8	10
165	7%	2%	1%	1%	0%	0%	0%
170	11%	4%	2%	1%	1%	0%	0%
175	17%	6%	3%	2%	1%	1%	0%
180	25%	10%	5%	3%	2%	1%	0%
185	36%	16%	8%	4%	3%	1%	1%
190	48%	23%	13%	7%	4%	2%	1%
195	60%	33%	20%	11%	7%	4%	2%
200	71%	45%	29%	17%	11%	6%	3%
205	80%	57%	40%	25%	17%	10%	4%
210	87%	69%	52%	36%	25%	16%	7%
215	92%	78%	64%	48%	36%	23%	11%
220	95%	86%	75%	60%	48%	33%	17%
225	97%	91%	83%	71%	60%	45%	25%
230	98%	94%	89%	80%	71%	57%	36%
235	99%	96%	93%	87%	80%	69%	48%
240	99%	98%	96%	92%	87%	78%	60%
245	100%	99%	97%	95%	92%	86%	71%
250	100%	99%	98%	97%	95%	91%	80%
255	100%	99%	99%	98%	97%	94%	87%
260	100%	100%	99%	99%	98%	96%	92%
265	100%	100%	100%	99%	99%	98%	95%
270	100%	100%	100%	100%	99%	99%	97%
275	100%	100%	100%	100%	100%	99%	98%

Illinois Proficiency Tables from Scale Alignment Study

These tables were extracted from "A Study of the Alignment of the NWEA RIT Scale with the Illinois Assessment System," Deborah Adkins, March, 2007. For a copy of the full report, please visit NWEA's web site at www.nwea.org >> Research >> State Information.

NWEA determines a *cut score* that best matches the score that is equivalent to the minimum proficiency score on the state test. Because this score is barely passing, if retested, students with this score would have about a 50% probability of passing. Consequently, the minimum RIT score for proficiency is aligned with 50% probability of passing. Tables showing the level of performance needed for higher probability of passing are provided. NWEA Scale Alignment Studies typically produce 80 – 90% predictive accuracy rates.

Reading

Table 3 – Recommended prior-season (fall) RIT cut scores for Illinois performance levels – Reading

Grade	Academic Warning	Below Standards		Meets Standards		Exceeds Standards	
		Cut score	Percentile	Cut score	Percentile	Cut score	Percentile
3	<162	162	5	186	35	205	85
4	<169	169	4	192	27	211	81
5	<176	176	4	201	32	218	82
6	<173	173	2	203	25	222	79
7	<185	185	4	210	32	230	88
8	<189	189	4	209	22	235	91

Table 7 – Proportion of students passing the Illinois state reading assessment based on prior-season (fall) reading RIT range

RIT Range	Percent in this range who pass					
	3	4	5	6	7	8
155	5%	3%	1%	1%	1%	1%
160	8%	5%	2%	2%	1%	1%
165	13%	8%	3%	3%	1%	1%
170	20%	12%	5%	4%	2%	2%
175	29%	18%	8%	7%	4%	4%
180	40%	27%	13%	11%	6%	6%
185	52%	38%	20%	17%	9%	10%
190	64%	50%	29%	25%	14%	16%
195	75%	62%	40%	36%	22%	23%
200	83%	73%	52%	48%	31%	33%
205	89%	82%	64%	60%	43%	45%
210	93%	88%	75%	71%	55%	57%
215	96%	92%	83%	80%	67%	69%
220	97%	95%	89%	87%	77%	78%
225	98%	97%	93%	92%	84%	86%
230	99%	98%	96%	95%	90%	91%
235	99%	99%	97%	97%	94%	94%
240	100%	99%	98%	98%	96%	96%

Mathematics

Table 4 – Recommended prior-season (fall) RIT cut scores for Illinois performance levels – Mathematics

Grade	Academic Warning	Below Standards		Meets Standards		Exceeds Standards	
		Cut score	Percentile	Cut score	Percentile	Cut score	Percentile
3	<168	168	3	182	20	200	74
4	<177	177	3	190	15	213	82
5	<190	190	6	201	21	227	89
6	<183	183	2	206	21	232	85
7	<186	186	2	210	20	235	76
8	<194	194	3	215	20	238	70

*The cut scores for 'Below Standards' for grades 4-7 have changed from 'N/A' to the RIT value at the 1 percentile of the sample in order to provide an estimated score.

Table 8 – Proportion of students passing the Illinois state mathematics assessment based on prior-season (fall) mathematics RIT range

RIT Range	Percent in this range who pass					
	3	4	5	6	7	8
150	5%	2%	1%	0%	0%	0%
155	8%	4%	1%	1%	1%	0%
160	12%	6%	2%	1%	1%	1%
165	18%	9%	3%	2%	1%	1%
170	27%	14%	5%	3%	2%	1%
175	38%	22%	8%	5%	4%	2%
180	50%	31%	13%	8%	6%	4%
185	62%	43%	20%	13%	9%	6%
190	73%	55%	29%	20%	14%	9%
195	82%	67%	40%	29%	22%	14%
200	88%	77%	52%	40%	31%	22%
205	92%	84%	64%	52%	43%	31%
210	95%	90%	75%	64%	55%	43%
215	97%	94%	83%	75%	67%	55%
220	98%	96%	89%	83%	77%	67%
225	99%	98%	93%	89%	84%	77%
230	99%	99%	96%	93%	90%	84%
235	100%	99%	97%	96%	94%	90%
240	100%	99%	98%	97%	96%	94%
245	100%	100%	99%	98%	98%	96%

Indiana Proficiency Tables from Scale Alignment Study

These tables were extracted from "A Study of the Alignment of the NWEA RIT Scale with the Indiana Assessment System," Deborah Adkins, March, 2007. For a copy of the full report, please visit NWEA's web site at www.nwea.org >> Research >> State Information.

NWEA determines a *cut score* that best matches the score that is equivalent to the minimum proficiency score on the state test. Because this score is barely passing, if retested, students with this score would have about a 50% probability of passing. Consequently, the minimum RIT score for proficiency is aligned with 50% probability of passing. Tables showing the level of performance needed for higher probability of passing are provided. NWEA Scale Alignment Studies typically produce 80 – 90% predictive accuracy rates.

Reading

Table 1 – Recommended same-season (fall) RIT cut scores for Indiana performance levels – Reading

Grade	Did not pass	Pass		Pass+	
	Cut score	Cut score	Percentile	Cut score	Percentile
3	<182	182	27	208	91
4	<192	192	27	216	91
5	<200	200	29	222	90
6	<206	206	32	229	92
7	<211	211	34	231	89
8	<214	214	33	235	91
9	<216	216	32	239	93
10	<216	216	23	244	96

Table 7 – Proportion of students passing the Indiana state reading assessment based on same-season (fall) reading RIT range

RIT Range	Percent in this range who pass							
	3	4	5	6	7	8	9	10
150	5%	2%	1%	0%	0%	0%	0%	0%
155	8%	3%	1%	1%	0%	0%	0%	0%
160	12%	5%	2%	1%	1%	1%	0%	0%
165	18%	8%	4%	2%	1%	1%	1%	1%
170	27%	12%	6%	3%	2%	1%	1%	1%
175	38%	18%	9%	5%	3%	2%	2%	2%
180	50%	27%	14%	8%	5%	4%	3%	3%
185	62%	38%	22%	13%	8%	6%	5%	5%
190	73%	50%	31%	20%	13%	10%	8%	8%
195	82%	62%	43%	29%	20%	16%	13%	13%
200	88%	73%	55%	40%	29%	23%	20%	20%
205	92%	82%	67%	52%	40%	33%	29%	29%
210	95%	88%	77%	64%	52%	45%	40%	40%
215	97%	92%	84%	75%	64%	57%	52%	52%
220	98%	95%	90%	83%	75%	69%	64%	64%
225	99%	97%	94%	89%	83%	78%	75%	75%
230	99%	98%	96%	93%	89%	86%	83%	83%
235	100%	99%	98%	96%	93%	91%	89%	89%
240	100%	99%	99%	97%	96%	94%	93%	93%
245	100%	100%	99%	98%	97%	96%	96%	96%

Mathematics

Table 3 – Recommended same-season (fall) RIT cut scores for Indiana performance levels – Mathematics

Grade	Did not pass	Pass		Pass+	
	Cut score	Cut score	Percentile	Cut score	Percentile
3	<188	188	35	206	89
4	<198	198	32	218	91
5	<205	205	31	226	87
6	<209	209	27	232	85
7	<214	214	26	240	86
8	<223	223	34	247	87
9	<227	227	35	250	86
10	<232	232	35	256	89

Table 9 – Proportion of students passing the Indiana state mathematics assessment based on same-season (fall) mathematics RIT range

RIT Range	Percent in this range who pass							
	3	4	5	6	7	8	9	10
160	7%	3%	1%	1%	1%	0%	0%	0%
165	11%	4%	2%	1%	1%	0%	0%	0%
170	17%	7%	4%	2%	1%	1%	0%	0%
175	25%	11%	6%	4%	2%	1%	1%	0%
180	36%	17%	9%	6%	4%	2%	1%	1%
185	48%	25%	14%	10%	6%	3%	2%	1%
190	60%	36%	22%	16%	10%	4%	3%	2%
195	71%	48%	31%	23%	16%	7%	5%	3%
200	80%	60%	43%	33%	23%	11%	8%	5%
205	87%	71%	55%	45%	33%	17%	12%	8%
210	92%	80%	67%	57%	45%	25%	18%	12%
215	95%	87%	77%	69%	57%	36%	27%	18%
220	97%	92%	84%	78%	69%	48%	38%	27%
225	98%	95%	90%	86%	78%	60%	50%	38%
230	99%	97%	94%	91%	86%	71%	62%	50%
235	99%	98%	96%	94%	91%	80%	73%	62%
240	100%	99%	98%	96%	94%	87%	82%	73%
245	100%	99%	99%	98%	96%	92%	88%	82%
250	100%	100%	99%	99%	98%	95%	92%	88%
255	100%	100%	99%	99%	99%	97%	95%	92%
260	100%	100%	100%	99%	99%	98%	97%	95%

Kansas Proficiency Tables from Scale Alignment Study

These tables were extracted from "A Study of the Alignment of the NWEA RIT Scale with the Kansas Assessment System," John Cronin, Ph.D., March, 2007. For a copy of the full report, please visit NWEA's web site at www.nwea.org >> Research >> State Information.

NWEA determines a *cut score* that best matches the score that is equivalent to the minimum proficiency score on the state test. Because this score is barely passing, if retested, students with this score would have about a 50% probability of passing. Consequently, the minimum RIT score for proficiency is aligned with 50% probability of passing. Tables showing the level of performance needed for higher probability of passing are provided. NWEA Scale Alignment Studies typically produce 80 – 90% predictive accuracy rates.

Reading

Table 3 – Recommended prior- season (fall) RIT cut scores for Kansas performance levels – Reading

Grade	Academic Warning	Approaches Standards		Meets Standards		Exceeds Standards		Exemplary	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile
3	<177	177	19	186	35	198	68	207	89
4	<186	186	17	193	29	206	66	214	87
5	<197	197	23	204	40	212	65	218	82
6	<197	197	15	206	32	217	65	225	85
7	<202	202	17	210	32	219	59	228	83
8	<205	205	16	214	33	224	63	232	85

Table 7 – Proportion of students passing the Kansas state reading assessment based on prior-season (fall) reading RIT range

RIT Range	Percent in this range who pass					
	3	4	5	6	7	8
155	5%	3%	1%	1%	1%	0%
160	8%	4%	1%	1%	1%	1%
165	13%	7%	2%	2%	1%	1%
170	20%	11%	4%	3%	2%	1%
175	29%	17%	6%	5%	4%	2%
180	40%	25%	10%	8%	6%	4%
185	52%	36%	16%	13%	9%	6%
190	64%	48%	23%	20%	14%	10%
195	75%	60%	33%	29%	22%	16%
200	83%	71%	45%	40%	31%	23%
205	89%	80%	57%	52%	43%	33%
210	93%	87%	69%	64%	55%	45%
215	96%	92%	78%	75%	67%	57%
220	97%	95%	86%	83%	77%	69%
225	98%	97%	91%	89%	84%	78%
230	99%	98%	94%	93%	90%	86%
235	99%	99%	96%	96%	94%	91%
240	100%	99%	98%	97%	96%	94%
245	100%	100%	99%	98%	98%	96%

Mathematics

Table 4 – Recommended prior- season (fall) RIT cut scores for Kansas performance levels – Mathematics

Grade	Academic Warning	Approaches Standards		Meets Standards		Exceeds Standards		Exemplary	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile
3	<180	180	15	187	32	197	64	203	83
4	<193	193	20	199	35	210	74	217	90
5	<202	202	23	207	37	218	70	228	90
6	<206	206	21	212	34	223	64	232	85
7	<212	212	23	223	47	232	69	240	86
8	<214	214	19	225	39	236	65	246	86
10	<225	225	23	237	47	248	74	257	91

Table 8 – Proportion of students passing the Kansas state mathematics assessment based on prior-season (fall) mathematics RIT range

RIT Range	Percent in this range who pass						
	3	4	5	6	7	8	10
155	5%	1%	1%	0%	0%	0%	0%
160	8%	2%	1%	1%	0%	0%	0%
165	12%	4%	2%	1%	0%	0%	0%
170	18%	6%	3%	2%	1%	1%	0%
175	27%	10%	5%	3%	1%	1%	0%
180	38%	16%	8%	5%	2%	1%	0%
185	50%	23%	12%	8%	3%	2%	1%
190	62%	33%	18%	12%	4%	4%	1%
195	73%	45%	27%	18%	7%	6%	2%
200	82%	57%	38%	27%	11%	9%	3%
205	88%	69%	50%	38%	17%	14%	5%
210	92%	78%	62%	50%	25%	22%	8%
215	95%	86%	73%	62%	36%	31%	12%
220	97%	91%	82%	73%	48%	43%	18%
225	98%	94%	88%	82%	60%	55%	27%
230	99%	96%	92%	88%	71%	67%	38%
235	99%	98%	95%	92%	80%	77%	50%
240	100%	99%	97%	95%	87%	84%	62%
245	100%	99%	98%	97%	92%	90%	73%
250	100%	99%	99%	98%	95%	94%	82%
255	100%	100%	99%	99%	97%	96%	88%
260	100%	100%	100%	99%	98%	98%	92%
265	100%	100%	100%	100%	99%	99%	95%

Kentucky Proficiency Tables from Scale Alignment Study

These tables were extracted from "A Study of the Alignment of the NWEA RIT Scale with the Kentucky Commonwealth Accountability Testing System," Michael P. Dahlin, Ph.D., May, 2008. For a copy of the full report, please visit NWEA's web site at www.nwea.org >> Research >> State Information.

NWEA determines a *cut score* that best matches the score that is equivalent to the minimum proficiency score on the state test. Because this score is barely passing, if retested, students with this score would have about a 50% probability of passing. Consequently, the minimum RIT score for proficiency is aligned with 50% probability of passing. Tables showing the level of performance needed for higher probability of passing are provided. NWEA Scale Alignment Studies typically produce 80 – 90% predictive accuracy rates.

Reading

Table 5 – Minimum Estimated Prior-Season (fall) RIT Cut Scores Corresponding to CATS Performance Levels – Reading

Grade	Novice	Apprentice		Proficient		Distinguished	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile
2	<152	152	3	164	24	192	82
3	<157	157	2	181	25	203	81
4	<169	169	4	192	27	212	83
5	<173	173	3	199	27	218	82
6	<173	173	2	204	27	222	79
7	<181	181	3	209	30	227	81
8	<180	180	2	212	28	231	83
10	<185	185	2	222	37	239	89

Note: Bolded, italicized text denotes extrapolated cut score

Table 11 – Estimated Probability of scoring as Proficient or Higher on the CATS Reading Test Based on Prior Season (fall) 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	2	3	4	5	6	7	8	10
150	23%	5%	2%	1%	1%	0%	0%	0%
155	33%	8%	3%	1%	1%	1%	0%	0%
160	45%	13%	5%	2%	1%	1%	1%	0%
165	57%	20%	8%	4%	2%	1%	1%	0%
170	69%	29%	12%	6%	4%	2%	2%	1%
175	78%	40%	18%	10%	6%	4%	3%	1%
180	86%	52%	27%	16%	10%	6%	5%	2%
185	91%	64%	38%	23%	16%	10%	8%	3%
190	94%	75%	50%	33%	23%	16%	12%	5%
195	96%	83%	62%	45%	33%	23%	18%	8%
200	98%	89%	73%	57%	45%	33%	27%	12%
205	99%	93%	82%	69%	57%	45%	38%	18%
210	99%	96%	88%	78%	69%	57%	50%	27%
215	99%	97%	92%	86%	78%	69%	62%	38%
220	100%	98%	95%	91%	86%	78%	73%	50%
225	100%	99%	97%	94%	91%	86%	82%	62%
230	100%	99%	98%	96%	94%	91%	88%	73%
235	100%	100%	99%	98%	96%	94%	92%	82%
240	100%	100%	99%	99%	98%	96%	95%	88%
245	100%	100%	100%	99%	99%	98%	97%	92%

Note: This table provides the estimated probability of passing the state test in spring, based on a MAP test score taken during the previous (fall) season. Example: If a third grade student scored a 190 on a MAP test taken during the fall season, her/his estimated probability of passing the state test in spring is 75%.

Mathematics

Table 4 – Minimum Estimated Prior-Season (fall) RIT Cut Scores Corresponding to CATS Performance Levels – Mathematics

Grade	Novice	Apprentice		Proficient		Distinguished	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile
2	<164	164	9	175	36	184	69
3	<176	176	9	189	38	198	68
4	<188	188	13	199	36	208	68
5	<196	196	12	208	40	220	75
6	<200	200	13	215	42	227	74
7	<204	204	13	221	43	233	72
8	<209	209	13	226	41	240	74

Note: Bolded, italicized text denotes extrapolated cut score

Table 10 – Estimated Probability of scoring as Proficient or Higher on the CATS Mathematics Test Based on Prior Season (fall) 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	2	3	4	5	6	7	8
150	9%	2%	1%	0%	0%	0%	0%
155	14%	4%	1%	1%	0%	0%	0%
160	22%	6%	2%	1%	1%	0%	0%
165	31%	10%	4%	2%	1%	0%	0%
170	43%	16%	6%	3%	1%	1%	0%
175	55%	23%	10%	4%	2%	1%	1%
180	67%	33%	16%	7%	4%	2%	1%
185	77%	45%	23%	11%	6%	3%	2%
190	84%	57%	33%	17%	9%	5%	3%
195	90%	69%	45%	25%	14%	8%	5%
200	94%	78%	57%	36%	22%	13%	8%
205	96%	86%	69%	48%	31%	20%	13%
210	98%	91%	78%	60%	43%	29%	20%
215	99%	94%	86%	71%	55%	40%	29%
220	99%	96%	91%	80%	67%	52%	40%
225	99%	98%	94%	87%	77%	64%	52%
230	100%	99%	96%	92%	84%	75%	64%
235	100%	99%	98%	95%	90%	83%	75%
240	100%	99%	99%	97%	94%	89%	83%
245	100%	100%	99%	98%	96%	93%	89%

Note: This table provides the estimated probability of passing the state test in spring, based on a MAP test score taken during the previous (fall) season. Example: If a third grade student scored 170 on a MAP test taken during the fall season, her/his estimated probability of passing the state test in spring is 16%.

Maine Proficiency Tables from Scale Alignment Study

These tables were extracted from "A Study of the Alignment of the NWEA RIT Scale with the Maine Assessment System," John Cronin, Ph.D., March, 2007. For a copy of the full report, please visit NWEA's web site at www.nwea.org >> Research >> State Information.

NWEA determines a *cut score* that best matches the score that is equivalent to the minimum proficiency score on the state test. Because this score is barely passing, if retested, students with this score would have about a 50% probability of passing. Consequently, the minimum RIT score for proficiency is aligned with 50% probability of passing. Tables showing the level of performance needed for higher probability of passing are provided. NWEA Scale Alignment Studies typically produce 80 – 90% predictive accuracy rates.

Reading

Table 3 – Recommended prior-season (fall) RIT cut scores for Maine performance levels – Reading

Grade	Does Not Meet Standards	Partially Meets Standards		Meets		Exceeds	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile
3	<170	170	10	185	33	210	93
4	<181	181	11	198	42	217	92
5	<191	191	14	204	40	221	89
6	<198	198	16	210	43	226	87
7	<200	200	14	214	43	229	86
8	<209	209	22	218	45	231	83

Percentile column shows the associated NWEA norm group percentile score.

Table 7 – Proportion of students passing the Maine state reading assessment based on prior-season (fall) reading RIT range

RIT Range	Percent in this range who pass					
	3	4	5	6	7	8
155	6%	2%	1%	1%	0%	0%
160	9%	3%	1%	1%	1%	0%
165	14%	4%	2%	1%	1%	1%
170	22%	7%	4%	2%	1%	1%
175	31%	11%	6%	4%	2%	2%
180	43%	17%	10%	6%	4%	3%
185	55%	25%	16%	9%	6%	4%
190	67%	36%	23%	14%	10%	7%
195	77%	48%	33%	22%	16%	11%
200	84%	60%	45%	31%	23%	17%
205	90%	71%	57%	43%	33%	25%
210	94%	80%	69%	55%	45%	36%
215	96%	87%	78%	67%	57%	48%
220	98%	92%	86%	77%	69%	60%
225	99%	95%	91%	84%	78%	71%
230	99%	97%	94%	90%	86%	80%
235	99%	98%	96%	94%	91%	87%
240	100%	99%	98%	96%	94%	92%
245	100%	99%	99%	98%	96%	95%

Mathematics

Table 4 – Recommended prior-season (fall) RIT cut scores for Maine performance levels – Mathematics

Grade	Does Not Meet Standards	Partially Meets Standards		Meets		Exceeds	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile
3	<178	178	12	191	44	207	91
4	<192	192	18	202	46	218	91
5	<201	201	21	210	46	228	90
6	<208	208	25	219	53	233	87
7	<214	214	26	226	54	240	86
8	<218	218	25	231	53	246	86

Table 8 – Proportion of students passing the Maine state mathematics assessment based on prior-season (fall) mathematics RIT range

RIT Range	Percent in this range who pass					
	3	4	5	6	7	8
160	5%	2%	1%	0%	0%	0%
165	8%	3%	1%	1%	0%	0%
170	13%	5%	2%	1%	0%	0%
175	20%	8%	4%	1%	1%	0%
180	29%	12%	6%	2%	1%	1%
185	40%	18%	9%	4%	2%	1%
190	52%	27%	14%	6%	3%	2%
195	64%	38%	22%	10%	5%	3%
200	75%	50%	31%	16%	8%	5%
205	83%	62%	43%	23%	13%	8%
210	89%	73%	55%	33%	20%	13%
215	93%	82%	67%	45%	29%	20%
220	96%	88%	77%	57%	40%	29%
225	97%	92%	84%	69%	52%	40%
230	98%	95%	90%	78%	64%	52%
235	99%	97%	94%	86%	75%	64%
240	99%	98%	96%	91%	83%	75%
245	100%	99%	98%	94%	89%	83%
250	100%	99%	99%	96%	93%	89%
255	100%	100%	99%	98%	96%	93%
260	100%	100%	99%	99%	97%	96%

Maryland Proficiency Tables from Scale Alignment Study

These tables were extracted from “*A Study of the Alignment of the NWEA RIT Scale with the Maryland Assessment System*,” Deborah Adkins, March, 2007. For a copy of the full report, please visit NWEA’s web site at www.nwea.org >> Research >> State Information.

NWEA determines a *cut score* that best matches the score that is equivalent to the minimum proficiency score on the state test. Because this score is barely passing, if retested, students with this score would have about a 50% probability of passing. Consequently, the minimum RIT score for proficiency is aligned with 50% probability of passing. Tables showing the level of performance needed for higher probability of passing are provided. NWEA Scale Alignment Studies typically produce 80 – 90% predictive accuracy rates.

Reading

Table 2 – Recommended prior-season (fall) RIT cut scores for Maryland performance levels – Reading

Grade	Basic	Proficient		Advanced	
	Cut score	Cut score	Percentile	Cut score	Percentile
3	<182	182	27	211	94
4	<188	188	20	215	89
5	<197	197	23	216	77
6	<202	202	23	218	68
7	<208	208	27	227	81
8	<213	213	31	230	80

Table 4 – Proportion of students passing the Maryland state reading assessment based on prior-season (fall) reading RIT range

RIT Range	Percent in this range who pass					
	3	4	5	6	7	8
150	5%	3%	1%	1%	0%	0%
155	8%	4%	2%	1%	1%	0%
160	12%	7%	3%	2%	1%	1%
165	18%	11%	5%	3%	2%	1%
170	27%	17%	8%	5%	3%	2%
175	38%	25%	12%	8%	4%	3%
180	50%	36%	18%	12%	7%	4%
185	62%	48%	27%	18%	11%	7%
190	73%	60%	38%	27%	17%	11%
195	82%	71%	50%	38%	25%	17%
200	88%	80%	62%	50%	36%	25%
205	92%	87%	73%	62%	48%	36%
210	95%	92%	82%	73%	60%	48%
215	97%	95%	88%	82%	71%	60%
220	98%	97%	92%	88%	80%	71%
225	99%	98%	95%	92%	87%	80%
230	99%	99%	97%	95%	92%	87%
235	100%	99%	98%	97%	95%	92%
240	100%	100%	99%	98%	97%	95%

Mathematics

Not Available

Massachusetts Proficiency Tables from Scale Alignment Study

These tables were extracted from "A Study of the Alignment of the NWEA RIT Scale with the Massachusetts Assessment System," John Cronin, Ph.D., March, 2007. For a copy of the full report, please visit NWEA's web site at www.nwea.org >> Research >> State Information.

NWEA determines a *cut score* that best matches the score that is equivalent to the minimum proficiency score on the state test. Because this score is barely passing, if retested, students with this score would have about a 50% probability of passing. Consequently, the minimum RIT score for proficiency is aligned with 50% probability of passing. Tables showing the level of performance needed for higher probability of passing are provided. NWEA Scale Alignment Studies typically produce 80 – 90% predictive accuracy rates.

Reading

Table 3 – Recommended prior-season (fall) RIT cut scores for Massachusetts performance levels – Reading

Grade	Failing	Needs Improvement		Proficient		Advanced	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile
3	<174	174	14	194	56	208	91
4	<187	187	19	206	66	222	97
5	<188	188	11	208	52	224	93
6	<193	193	11	210	43	229	92
7	<197	197	11	215	46	235	95
8	<197	197	8	213	31	236	92
10	<198	198	5	223	40	242	93

Percentile column shows the associated NWEA norm group percentile score.

Table 7 – Proportion of students passing the Massachusetts state reading assessment based on prior-season (fall) reading RIT range

RIT Range	Percent in this range who pass						
	3	4	5	6	7	8	10
165	6%	2%	2%	1%	1%	1%	0%
170	10%	3%	3%	2%	1%	2%	1%
175	16%	5%	4%	4%	2%	3%	1%
180	23%	8%	7%	6%	4%	4%	2%
185	33%	13%	11%	9%	6%	7%	3%
190	45%	20%	17%	14%	9%	11%	4%
195	57%	29%	25%	22%	14%	17%	7%
200	69%	40%	36%	31%	22%	25%	11%
205	78%	52%	48%	43%	31%	36%	17%
210	86%	64%	60%	55%	43%	48%	25%
215	91%	75%	71%	67%	55%	60%	36%
220	94%	83%	80%	77%	67%	71%	48%
225	96%	89%	87%	84%	77%	80%	60%
230	98%	93%	92%	90%	84%	87%	71%
235	99%	96%	95%	94%	90%	92%	80%
240	99%	97%	97%	96%	94%	95%	87%
245	99%	98%	98%	98%	96%	97%	92%
250	100%	99%	99%	99%	98%	98%	95%

Mathematics

Table 4 – Recommended prior-season (fall) RIT cut scores for Massachusetts performance levels – Mathematics

Grade	Failing	Needs Improvement		Proficient		Advanced	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile
3	<187	187	32	198	68	215	98
4	<196	196	27	211	77	221	94
5	<205	205	31	218	70	228	90
6	<213	213	36	224	67	236	91
7	<220	220	39	233	72	244	91
8	<225	225	39	237	68	249	90
10	<215	215	21	234	76	245	96

Table 8 – Proportion of students passing the Massachusetts state mathematics assessment based on prior-season (fall) mathematics RIT range

RIT Range	Percent in this range who pass						
	3	4	5	6	7	8	10
170	7%	2%	1%	1%	0%	0%	0%
175	11%	3%	2%	1%	0%	0%	0%
180	17%	5%	3%	1%	1%	0%	1%
185	25%	8%	4%	2%	1%	1%	1%
190	36%	13%	7%	4%	2%	1%	1%
195	48%	20%	11%	6%	3%	2%	2%
200	60%	29%	17%	10%	4%	3%	4%
205	71%	40%	25%	16%	7%	5%	6%
210	80%	52%	36%	23%	11%	8%	10%
215	87%	64%	48%	33%	17%	12%	16%
220	92%	75%	60%	45%	25%	18%	23%
225	95%	83%	71%	57%	36%	27%	33%
230	97%	89%	80%	69%	48%	38%	45%
235	98%	93%	87%	78%	60%	50%	57%
240	99%	96%	92%	86%	71%	62%	69%
245	99%	97%	95%	91%	80%	73%	78%
250	100%	98%	97%	94%	87%	82%	86%
255	100%	99%	98%	96%	92%	88%	91%
260	100%	99%	99%	98%	95%	92%	94%
265	100%	100%	99%	99%	97%	95%	96%

Michigan Proficiency Tables from Scale Alignment Study

These tables were extracted from "A Study of the Alignment of the NWEA RIT Scale with the Michigan Assessment System," John Cronin, Ph.D., May, 2007. For a copy of the full report, please visit NWEA's web site at www.nwea.org >> Research >> State Information.

NWEA determines a *cut score* that best matches the score that is equivalent to the minimum proficiency score on the state test. Because this score is barely passing, if retested, students with this score would have about a 50% probability of passing. Consequently, the minimum RIT score for proficiency is aligned with 50% probability of passing. Tables showing the level of performance needed for higher probability of passing are provided. NWEA Scale Alignment Studies typically produce 80 – 90% predictive accuracy rates.

Reading

Table 1 – Recommended same-season (fall) RIT cut scores for Michigan performance levels – Reading

Grade	Apprentice		Basic		Met Standards		Exceeded Standards	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile	
3	<154	154	1	175	16	203	81	
4	<162	162	2	188	20	217	92	
5	<178	178	4	197	23	222	90	
6	<182	182	4	201	21	227	89	
7	<194	194	8	207	25	233	92	
8	<198	198	8	212	28	234	89	

Table 5 – Proportion of students passing the Michigan state reading assessment based on same-season (fall) reading RIT range

RIT Range	Percent in this range who pass					
	3	4	5	6	7	8
145	6%	2%	1%	0%	0%	0%
150	9%	3%	1%	1%	0%	0%
155	14%	4%	2%	1%	1%	0%
160	22%	7%	3%	2%	1%	1%
165	31%	11%	5%	3%	2%	1%
170	43%	17%	8%	5%	3%	2%
175	55%	25%	12%	8%	5%	3%
180	67%	36%	18%	13%	8%	5%
185	77%	48%	27%	20%	12%	8%
190	84%	60%	38%	29%	18%	12%
195	90%	71%	50%	40%	27%	18%
200	94%	80%	62%	52%	38%	27%
205	96%	87%	73%	64%	50%	38%
210	98%	92%	82%	75%	62%	50%
215	99%	95%	88%	83%	73%	62%
220	99%	97%	92%	89%	82%	73%
225	99%	98%	95%	93%	88%	82%
230	100%	99%	97%	96%	92%	88%
235	100%	99%	98%	97%	95%	92%
240	100%	100%	99%	98%	97%	95%
245	100%	100%	99%	99%	98%	97%
250	100%	100%	100%	99%	99%	98%
255	100%	100%	100%	100%	99%	99%

Mathematics

Table 2 – Recommended same-season (fall) RIT cut scores for Michigan performance levels – Mathematics

Grade	Apprentice		Basic		Met Standards		Exceeded Standards	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile	
3	<159	159	1	173	6	190	41	
4	<176	176	2	189	13	205	57	
5	<186	186	4	201	21	216	65	
6	<194	194	6	209	27	225	69	
7	<200	200	8	218	35	232	69	
8	<208	208	11	222	32	236	65	

Table 6 – Proportion of students passing the Michigan state mathematics assessment based on same-season (fall) mathematics RIT range

RIT Range	Percent in this range who pass					
	3	4	5	6	7	8
145	7%	1%	0%	0%	0%	0%
150	11%	2%	1%	0%	0%	0%
155	17%	4%	1%	0%	0%	0%
160	25%	6%	2%	1%	0%	0%
165	36%	10%	3%	1%	1%	0%
170	48%	16%	5%	2%	1%	1%
175	60%	23%	8%	4%	2%	1%
180	71%	33%	13%	6%	3%	2%
185	80%	45%	20%	10%	4%	3%
190	87%	57%	29%	16%	7%	5%
195	92%	69%	40%	23%	11%	8%
200	95%	78%	52%	33%	17%	12%
205	97%	86%	64%	45%	25%	18%
210	98%	91%	75%	57%	36%	27%
215	99%	94%	83%	69%	48%	38%
220	99%	96%	89%	78%	60%	50%
225	100%	98%	93%	86%	71%	62%
230	100%	99%	96%	91%	80%	73%
235	100%	99%	97%	94%	87%	82%
240	100%	99%	98%	96%	92%	88%
245	100%	100%	99%	98%	95%	92%
250	100%	100%	99%	99%	97%	95%
255	100%	100%	100%	99%	98%	97%
260	100%	100%	100%	99%	99%	98%
265	100%	100%	100%	100%	99%	99%

Minnesota Proficiency Tables from Scale Alignment Study

These tables were extracted from "A Study of the Alignment of the NWEA RIT Scale with the Minnesota Assessment System," John Cronin, Ph.D., March, 2007. For a copy of the full report, please visit NWEA's web site at www.nwea.org >> Research >> State Information.

NWEA determines a *cut score* that best matches the score that is equivalent to the minimum proficiency score on the state test. Because this score is barely passing, if retested, students with this score would have about a 50% probability of passing. Consequently, the minimum RIT score for proficiency is aligned with 50% probability of passing. Tables showing the level of performance needed for higher probability of passing are provided. NWEA Scale Alignment Studies typically produce 80 – 90% predictive accuracy rates.

Reading

Table 3 – Recommended prior-season (fall) RIT cut scores for Minnesota performance levels – Reading

Grade	Did Not Meet Standards		Partially Meets Standards		Meets Standards		Exceeds Standards	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile	
3	<172	172	12	182	27	195	59	
4	<182	182	12	195	34	207	70	
5	<188	188	11	201	32	215	74	
6	<196	196	14	208	37	220	74	
7	<204	204	20	214	43	224	74	
8	<208	208	20	218	45	228	75	
10	<215	215	21	223	40	235	79	

Table 7 – Proportion of students passing the Minnesota state reading assessment based on prior-season (fall) reading RIT range

RIT Range	Percent in this range who pass						
	3	4	5	6	7	8	10
150	5%	1%	1%	0%	0%	0%	0%
155	8%	2%	1%	1%	0%	0%	0%
160	12%	4%	2%	1%	1%	0%	0%
165	18%	6%	3%	2%	1%	1%	0%
170	27%	9%	5%	3%	1%	1%	1%
175	38%	14%	8%	4%	2%	2%	1%
180	50%	22%	13%	7%	4%	3%	2%
185	62%	31%	20%	11%	6%	4%	3%
190	73%	43%	29%	17%	10%	7%	4%
195	82%	55%	40%	25%	16%	11%	7%
200	88%	67%	52%	36%	23%	17%	11%
205	92%	77%	64%	48%	33%	25%	17%
210	95%	84%	75%	60%	45%	36%	25%
215	97%	90%	83%	71%	57%	48%	36%
220	98%	94%	89%	80%	69%	60%	48%
225	99%	96%	93%	87%	78%	71%	60%
230	99%	98%	96%	92%	86%	80%	71%
235	100%	99%	97%	95%	91%	87%	80%
240	100%	99%	98%	97%	94%	92%	87%
245	100%	99%	99%	98%	96%	95%	92%
250	100%	100%	99%	99%	98%	97%	95%

Mathematics

Table 4 – Recommended prior-season (fall) RIT cut scores for Minnesota performance levels – Mathematics

Grade	Did Not Meet Standards		Partially Meets Standards		Meets Standards		Exceeds Standards	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile	
3	<172	172	5	187	32	202	80	
4	<192	192	18	202	46	215	86	
5	<203	203	26	213	56	225	86	
6	<208	208	25	219	53	234	88	
7	<215	215	28	225	52	240	86	
8	<218	218	25	231	53	246	86	
11	<241	241		251		260		

Percentile scores do not exist for Grade 11.

Table 8 – Proportion of students passing the Minnesota state mathematics assessment based on prior-season (fall) mathematics RIT range

RIT Range	Percent in this range who pass						
	3	4	5	6	7	8	11
155	5%	1%	0%	0%	0%	0%	0%
160	8%	2%	1%	0%	0%	0%	0%
165	12%	3%	1%	1%	0%	0%	0%
170	18%	5%	2%	1%	1%	0%	0%
175	27%	8%	3%	1%	1%	0%	0%
180	38%	12%	4%	2%	1%	1%	0%
185	50%	18%	7%	4%	2%	1%	0%
190	62%	27%	11%	6%	4%	2%	0%
195	73%	38%	17%	10%	6%	3%	0%
200	82%	50%	25%	16%	9%	5%	1%
205	88%	62%	36%	23%	14%	8%	1%
210	92%	73%	48%	33%	22%	13%	2%
215	95%	82%	60%	45%	31%	20%	3%
220	97%	88%	71%	57%	43%	29%	5%
225	98%	92%	80%	69%	55%	40%	8%
230	99%	95%	87%	78%	67%	52%	13%
235	99%	97%	92%	86%	77%	64%	20%
240	100%	98%	95%	91%	84%	75%	29%
245	100%	99%	97%	94%	90%	83%	40%
250	100%	99%	98%	96%	94%	89%	52%
255	100%	100%	99%	98%	96%	93%	64%
260	100%	100%	99%	99%	98%	96%	75%
265	100%	100%	100%	99%	99%	97%	83%
270	100%	100%	100%	99%	99%	98%	89%
275	100%	100%	100%	100%	99%	99%	93%
280	100%	100%	100%	100%	100%	99%	96%

Montana Proficiency Tables from Scale Alignment Study

These tables were extracted from “A Study of the Alignment of the NWEA RIT Scale with the Montana Assessment System,” Michael P. Dahlin, Ph.D., March, 2007. For a copy of the full report, please visit NWEA’s web site at www.nwea.org >> Research >> State Information.

NWEA determines a *cut score* that best matches the score that is equivalent to the minimum proficiency score on the state test. Because this score is barely passing, if retested, students with this score would have about a 50% probability of passing. Consequently, the minimum RIT score for proficiency is aligned with 50% probability of passing. Tables showing the level of performance needed for higher probability of passing are provided. NWEA Scale Alignment Studies typically produce 80 – 90% predictive accuracy rates.

Reading

Table 3 – Recommended prior-season (fall) RIT cut scores for Montana performance levels – Reading

Grade	Novice			Nearing Proficient			Proficient		Advanced	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile	
3	<170	170	10	182	27	198	68			
4	<179	179	10	191	25	209	75			
5	<186	186	9	199	27	215	74			
6	<194	194	12	206	32	221	76			
7	<199	199	13	210	32	227	81			
8	<205	205	16	215	36	230	80			

Percentile column shows the associated NWEA norm group percentile score.

Table 7 – Proportion of students passing the Montana state reading assessment based on prior-season (fall) reading RIT range

RIT Range	Percent in this range who pass					
	3	4	5	6	7	8
150	5%	2%	1%	0%	0%	0%
155	8%	3%	1%	1%	1%	0%
160	12%	5%	2%	1%	1%	1%
165	18%	8%	4%	2%	1%	1%
170	27%	13%	6%	3%	2%	1%
175	38%	20%	10%	5%	4%	2%
180	50%	29%	16%	8%	6%	4%
185	62%	40%	23%	13%	9%	6%
190	73%	52%	33%	20%	14%	9%
195	82%	64%	45%	29%	22%	14%
200	88%	75%	57%	40%	31%	22%
205	92%	83%	69%	52%	43%	31%
210	95%	89%	78%	64%	55%	43%
215	97%	93%	86%	75%	67%	55%
220	98%	96%	91%	83%	77%	67%
225	99%	97%	94%	89%	84%	77%
230	99%	98%	96%	93%	90%	84%
235	100%	99%	98%	96%	94%	90%
240	100%	99%	99%	97%	96%	94%
245	100%	100%	99%	98%	98%	96%

Mathematics

Table 4 – Recommended prior-season (fall) RIT cut scores for Montana performance levels – Mathematics

Grade	Novice			Nearing Proficient			Proficient		Advanced	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile	
3	<182	182	20	191	44	203	83			
4	<194	194	22	202	46	211	77			
5	<201	201	21	208	40	220	75			
6	<208	208	25	217	47	229	79			
7	<209	209	18	222	44	236	79			
8	<221	221	30	234	60	246	86			

Table 8 – Proportion of students passing the Montana state mathematics assessment based on prior-season (fall) mathematics RIT range

RIT Range	Percent in this range who pass					
	3	4	5	6	7	8
160	5%	2%	1%	0%	0%	0%
165	8%	3%	2%	1%	0%	0%
170	13%	5%	3%	1%	1%	0%
175	20%	8%	4%	2%	1%	0%
180	29%	12%	7%	3%	2%	1%
185	40%	18%	11%	5%	3%	1%
190	52%	27%	17%	8%	5%	1%
195	64%	38%	25%	12%	8%	2%
200	75%	50%	36%	18%	12%	4%
205	83%	62%	48%	27%	18%	6%
210	89%	73%	60%	38%	27%	10%
215	93%	82%	71%	50%	38%	16%
220	96%	88%	80%	62%	50%	23%
225	97%	92%	87%	73%	62%	33%
230	98%	95%	92%	82%	73%	45%
235	99%	97%	95%	88%	82%	57%
240	99%	98%	97%	92%	88%	69%
245	100%	99%	98%	95%	92%	78%
250	100%	99%	99%	97%	95%	86%
255	100%	100%	99%	98%	97%	91%
260	100%	100%	100%	99%	98%	94%
265	100%	100%	100%	99%	99%	96%

Nevada Proficiency Tables from Scale Alignment Study

These tables were extracted from "A Study of the Alignment of the NWEA RIT Scale with the Nevada Assessment System," Deborah Adkins, March, 2007. For a copy of the full report, please visit NWEA's web site at www.nwea.org >> Research >> State Information.

NWEA determines a *cut score* that best matches the score that is equivalent to the minimum proficiency score on the state test. Because this score is barely passing, if retested, students with this score would have about a 50% probability of passing. Consequently, the minimum RIT score for proficiency is aligned with 50% probability of passing. Tables showing the level of performance needed for higher probability of passing are provided. NWEA Scale Alignment Studies typically produce 80 – 90% predictive accuracy rates.

Reading

Table 3 – Recommended prior-season (fall) RIT cut scores for Nevada performance levels – Reading

Grade	Emergent/Developing	Approaches Standard		Meets Standard		Exceeds Standard	
		Cut score	Percentile	Cut score	Percentile	Cut score	Percentile
3	<162	162	5	191	48	202	79
4	<179	179	10	198	42	211	81
5	<186	186	9	209	55	225	94
6	<186	186	6	207	34	222	79
7	<190	190	6	213	40	227	81
8	<189	189	4	216	39	230	80

Table 7 – Proportion of students passing the Nevada state reading assessment based on prior-season (fall) reading RIT range

RIT Range	Percent in this range who pass					
	3	4	5	6	7	8
160	5%	3%	1%	1%	1%	0%
165	8%	4%	1%	2%	1%	1%
170	13%	7%	2%	3%	2%	1%
175	20%	11%	4%	5%	3%	2%
180	29%	17%	6%	8%	4%	3%
185	40%	25%	10%	12%	7%	5%
190	52%	36%	16%	18%	11%	8%
195	64%	48%	23%	27%	17%	13%
200	75%	60%	33%	38%	25%	20%
205	83%	71%	45%	50%	36%	29%
210	89%	80%	57%	62%	48%	40%
215	93%	87%	69%	73%	60%	52%
220	96%	92%	78%	82%	71%	64%
225	97%	95%	86%	88%	80%	75%
230	98%	97%	91%	92%	87%	83%
235	99%	98%	94%	95%	92%	89%
240	99%	99%	96%	97%	95%	93%
245	100%	99%	98%	98%	97%	96%

Mathematics

Table 4 – Recommended prior-season (fall) RIT cut scores for Nevada performance levels – Mathematics

Grade	Emergent/Developing	Approaches Standard		Meets Standard		Exceeds Standard	
		Cut score	Percentile	Cut score	Percentile	Cut score	Percentile
3	<176	176	9	193	51	204	85
4	<186	186	9	202	46	211	77
5	<190	190	6	210	46	224	84
6	<199	199	11	213	36	230	81
7	<202	202	10	219	37	238	83
8	<205	205	9	225	39	249	90

Table 8 – Proportion of students passing the Nevada state mathematics assessment based on prior-season (fall) mathematics RIT range

RIT Range	Percent in this range who pass					
	3	4	5	6	7	8
165	7%	3%	1%	1%	1%	0%
170	11%	5%	2%	2%	1%	1%
175	17%	8%	4%	3%	1%	1%
180	25%	12%	6%	4%	2%	1%
185	36%	18%	9%	7%	4%	2%
190	48%	27%	14%	11%	6%	4%
195	60%	38%	22%	17%	10%	6%
200	71%	50%	31%	25%	16%	9%
205	80%	62%	43%	36%	23%	14%
210	87%	73%	55%	48%	33%	22%
215	92%	82%	67%	60%	45%	31%
220	95%	88%	77%	71%	57%	43%
225	97%	92%	84%	80%	69%	55%
230	98%	95%	90%	87%	78%	67%
235	99%	97%	94%	92%	86%	77%
240	99%	98%	96%	95%	91%	84%
245	100%	99%	98%	97%	94%	90%
250	100%	99%	99%	98%	96%	94%
255	100%	100%	99%	99%	98%	96%

New Hampshire Proficiency Tables from Scale Alignment Study

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Reading

Table 1 – Recommended same-season (fall) RIT cut scores for New Hampshire performance levels – Reading

Grade	Substantially Below Proficient	Partially Proficient		Proficient		Distinction	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile
3	<169	169	9	185	33	205	85
4	<185	185	16	195	34	215	89
5	<187	187	10	202	34	221	89
6	<200	200	19	210	43	229	92
7	<199	199	13	213	40	232	91
8	<204	204	14	219	48	236	92

Table 5 – Proportion of students passing the New Hampshire state reading assessment based on same-season (fall) reading RIT range

RIT Range	Percent in this range who pass					
	3	4	5	6	7	8
155	6%	2%	1%	1%	0%	0%
160	9%	4%	2%	1%	1%	0%
165	14%	6%	3%	1%	1%	1%
170	22%	9%	5%	2%	2%	1%
175	31%	14%	8%	4%	3%	1%
180	43%	22%	12%	6%	4%	2%
185	55%	31%	18%	9%	7%	4%
190	67%	43%	27%	14%	11%	6%
195	77%	55%	38%	22%	17%	10%
200	84%	67%	50%	31%	25%	16%
205	90%	77%	62%	43%	36%	23%
210	94%	84%	73%	55%	48%	33%
215	96%	90%	82%	67%	60%	45%
220	98%	94%	88%	77%	71%	57%
225	99%	96%	92%	84%	80%	69%
230	99%	98%	95%	90%	87%	78%
235	99%	99%	97%	94%	92%	86%
240	100%	99%	98%	96%	95%	91%
245	100%	99%	99%	98%	97%	94%
250	100%	100%	99%	99%	98%	96%

Mathematics

Table 2 – Recommended same-season (fall) RIT cut scores for New Hampshire performance levels – Mathematics

Grade	Substantially Below Proficient	Partially Proficient		Proficient		Distinction	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile
3	<179	179	14	190	41	204	85
4	<191	191	16	199	35	213	82
5	<199	199	17	206	34	224	84
6	<208	208	25	216	44	233	87
7	<211	211	21	222	44	239	84
8	<221	221	30	231	53	247	87

Table 6 – Proportion of students passing the New Hampshire state mathematics assessment based on same-season (fall) mathematics RIT range

RIT Range	Percent in this range who pass					
	3	4	5	6	7	8
160	6%	2%	1%	0%	0%	0%
165	9%	4%	2%	1%	0%	0%
170	14%	6%	3%	1%	1%	0%
175	22%	10%	5%	2%	1%	0%
180	31%	16%	8%	3%	2%	1%
185	43%	23%	13%	5%	3%	1%
190	55%	33%	20%	8%	5%	2%
195	67%	45%	29%	13%	8%	3%
200	77%	57%	40%	20%	12%	5%
205	84%	69%	52%	29%	18%	8%
210	90%	78%	64%	40%	27%	13%
215	94%	86%	75%	52%	38%	20%
220	96%	91%	83%	64%	50%	29%
225	98%	94%	89%	75%	62%	40%
230	99%	96%	93%	83%	73%	52%
235	99%	98%	96%	89%	82%	64%
240	99%	99%	97%	93%	88%	75%
245	100%	99%	98%	96%	92%	83%
250	100%	99%	99%	97%	95%	89%
255	100%	100%	99%	98%	97%	93%
260	100%	100%	100%	99%	98%	96%

New Jersey Proficiency Tables from Scale Alignment Study

These tables were extracted from "A Study of the Alignment of the NWEA RIT Scale with the New Jersey Assessment of Skills and Knowledge (ASK)," March, 2009. For a copy of the full report, please visit NWEA's web site at www.nwea.org >> Research >> State Information.

NWEA determines a *cut score* that best matches the score that is equivalent to the minimum proficiency score on the state test. Because this score is barely passing, if retested, students with this score would have about a 50% probability of passing. Consequently, the minimum RIT score for proficiency is aligned with 50% probability of passing. Tables showing the level of performance needed for higher probability of passing are provided. NWEA Scale Alignment Studies typically produce 80 – 90% predictive accuracy rates.

Reading

Table 4 – Minimum Estimated Prior-Season (fall) RIT Cut Scores Corresponding to ASK Performance Levels – Reading

Grade	Partially Proficient	Proficient		Advanced	
	Cut score	Cut score	Percentile	Cut score	Percentile
2	<164	164	12	200	94
3	<175	175	12	211	94
4	<188	188	18	219	94
5	<206	206	43	229	97
6	<212	212	48	239	99
7	<212	212	35	232	89
8	<207	207	18	235	89

Note: Bolded, italicized text denotes extrapolated cut score.

Table 8 – Estimated Probability of scoring as Proficient or Higher on the New Jersey Reading Test Based on Prior Season (fall) MAP Score, by Student Grade and RIT Score Range on MAP Reading

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

Mathematics

Table 3 – Minimum Estimated Prior-Season (fall) RIT Cut Scores Corresponding to ASK Performance Levels – Mathematics

Grade	Partially Proficient	Proficient		Advanced	
	Cut score	Cut score	Percentile	Cut score	Percentile
2	<166	166	9	183	66
3	<176	176	9	197	66
4	<191	191	16	207	64
5	<204	204	27	226	84
6	<214	214	37	235	87
7	<223	223	46	242	87
8	<224	224	35	244	81

Note: Bolded, italicized text denotes extrapolated cut score.

Table 7 – Estimated Probability of scoring as Proficient or Higher on the New Jersey Mathematics Test Based on Prior Season (fall) MAP Score, by Student Grade and RIT Score Range on MAP Mathematics

RIT Range	Estimated Probability of Passing State Test for Student with Given RIT Score						
	2	3	4	5	6	7	8
145	13%	5%	1%	0%	0%	0%	0%
150	20%	8%	2%	1%	0%	0%	0%
155	29%	13%	3%	1%	0%	0%	0%
160	40%	20%	5%	1%	1%	0%	0%
165	52%	29%	8%	2%	1%	0%	0%
170	64%	40%	13%	4%	1%	1%	1%
175	75%	52%	20%	6%	2%	1%	1%
180	83%	64%	29%	10%	4%	2%	1%
185	89%	75%	40%	16%	6%	3%	2%
190	93%	83%	52%	23%	10%	4%	4%
195	96%	89%	64%	33%	16%	7%	6%
200	97%	93%	75%	45%	23%	11%	10%
205	98%	96%	83%	57%	33%	17%	16%
210	99%	97%	89%	69%	45%	25%	23%
215	99%	98%	93%	78%	57%	36%	33%
220	100%	99%	96%	86%	69%	48%	45%
225	100%	99%	97%	91%	78%	60%	57%
230	100%	100%	98%	94%	86%	71%	69%
235	100%	100%	99%	96%	91%	80%	78%
240	100%	100%	99%	98%	94%	87%	86%
245	100%	100%	100%	99%	96%	92%	91%
250	100%	100%	100%	99%	98%	95%	94%

New Mexico Proficiency Tables from Scale Alignment Study

These tables were extracted from "A Study of the Alignment of the NWEA RIT Scale with the New Mexico Standards-Based Assessment," Michael P. Dahlin, Ph.D., May, 2008. For a copy of the full report, please visit NWEA's web site at www.nwea.org >> Research >> State Information.

NWEA determines a *cut score* that best matches the score that is equivalent to the minimum proficiency score on the state test. Because this score is barely passing, if retested, students with this score would have about a 50% probability of passing. Consequently, the minimum RIT score for proficiency is aligned with 50% probability of passing. Tables showing the level of performance needed for higher probability of passing are provided. NWEA Scale Alignment Studies typically produce 80 – 90% predictive accuracy rates.

Reading

Table 5 – Minimum Estimated Prior-Season (fall) RIT Cut Scores Corresponding to NMSBA Performance Levels – Reading

Grade	Beginning Step			Nearing Proficiency			Proficient		Advanced	
	Cut score			Cut score	Percentile	Cut score	Percentile	Cut score	Percentile	
2	<155			155	7	167	29	199	93	
3	<165			165	7	183	29	210	93	
4	<173			173	6	194	32	215	89	
5	<176			176	4	199	27	217	80	
6	<190			190	8	212	49	229	92	
7	<185			185	4	212	37	229	86	
8	<189			189	4	212	28	237	94	
9	<201			201	9	216	32	241	96	
10	<200			200	6	223	40	241	92	
11	<200			200	6	223	40	241	92	

Note: Bolded, italicized text denotes extrapolated cut score

Table 11 – Estimated Probability of scoring as Proficient or Higher on the NMSBA Reading Test Based on Prior Season (fall) 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	2	3	4	5	6	7	8	9	10	11
150	18%	4%	1%	1%	0%	0%	0%	0%	0%	0%
155	27%	7%	2%	1%	0%	0%	0%	0%	0%	0%
160	38%	11%	4%	2%	1%	1%	1%	0%	0%	0%
165	50%	17%	6%	4%	1%	1%	1%	1%	0%	0%
170	62%	25%	10%	6%	2%	2%	2%	1%	1%	1%
175	73%	36%	16%	10%	3%	3%	3%	2%	1%	1%
180	82%	48%	23%	16%	5%	5%	5%	3%	2%	2%
185	88%	60%	33%	23%	8%	8%	8%	5%	3%	3%
190	92%	71%	45%	33%	12%	12%	12%	8%	4%	4%
195	95%	80%	57%	45%	18%	18%	18%	13%	7%	7%
200	97%	87%	69%	57%	27%	27%	27%	20%	11%	11%
205	98%	92%	78%	69%	38%	38%	38%	29%	17%	17%
210	99%	95%	86%	78%	50%	50%	50%	40%	25%	25%
215	99%	97%	91%	86%	62%	62%	62%	52%	36%	36%
220	100%	98%	94%	91%	73%	73%	73%	64%	48%	48%
225	100%	99%	96%	94%	82%	82%	82%	75%	60%	60%
230	100%	99%	98%	96%	88%	88%	88%	83%	71%	71%
235	100%	100%	99%	98%	92%	92%	92%	89%	80%	80%

Note: This table provides the estimated probability of passing the state test in spring, based on a MAP test score taken during the previous (fall) season. Example: If a third grade student scored a 190 on a MAP test taken during the fall season, her/his estimated probability of passing the state test in spring is 71%.

Mathematics

Table 4 – Minimum Estimated Prior-Season (fall) RIT Cut Scores Corresponding to NMSBA Performance Levels – Mathematics

Grade	Beginning Step			Nearing Proficiency			Proficient		Advanced	
	Cut score			Cut score	Percentile	Cut score	Percentile	Cut score	Percentile	
2	<159			159	3	177	44	196	93	
3	<168			168	3	191	44	208	93	
4	<179			179	4	202	46	215	86	
5	<191			191	7	212	53	225	86	
6	<201			201	13	222	61	234	88	
7	<209			209	18	229	62	242	89	
8	<208			208	11	231	53	247	87	
9	<201			201	5	229	39	248	83	
10	<215			215	11	238	50	255	88	
11	<215			215	11	238	50	255	88	

Note: Bolded, italicized text denotes extrapolated cut score

Table 10 – Estimated Probability of scoring as Proficient or Higher on the NMSBA Mathematics Test Based on Prior Season (fall) 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	2	3	4	5	6	7	8	9	10	11
150	8%	2%	1%	0%	0%	0%	0%	0%	0%	0%
155	12%	3%	1%	0%	0%	0%	0%	0%	0%	0%
160	18%	5%	2%	1%	0%	0%	0%	0%	0%	0%
165	27%	8%	3%	1%	0%	0%	0%	0%	0%	0%
170	38%	13%	5%	2%	1%	0%	0%	0%	0%	0%
175	50%	20%	8%	3%	1%	1%	0%	1%	0%	0%
180	62%	29%	12%	5%	2%	1%	1%	1%	0%	0%
185	73%	40%	18%	8%	3%	1%	1%	1%	1%	1%
190	82%	52%	27%	12%	5%	2%	2%	2%	1%	1%
195	88%	64%	38%	18%	8%	4%	3%	4%	2%	2%
200	92%	75%	50%	27%	12%	6%	5%	6%	3%	3%
205	95%	83%	62%	38%	18%	10%	8%	10%	4%	4%
210	97%	89%	73%	50%	27%	16%	13%	16%	7%	7%
215	98%	93%	82%	62%	38%	23%	20%	23%	11%	11%
220	99%	96%	88%	73%	50%	33%	29%	33%	17%	17%
225	99%	97%	92%	82%	62%	45%	40%	45%	25%	25%
230	100%	98%	95%	88%	73%	57%	52%	57%	36%	36%
235	100%	99%	97%	92%	82%	69%	64%	69%	48%	48%

Note: This table provides the estimated probability of passing the state test in spring, based on a MAP test score taken during the previous (fall) season. Example: If a third grade student scored 170 on a MAP test taken during the fall season, her/his estimated probability of passing the state test in spring is 1.3%.

New York Proficiency Tables from Scale Alignment Study

These tables were extracted from *A Study of the Alignment of the NWEA RIT Scale with the New York State Testing Program*, Michael P. Dahlin, Ph.D., December, 2007. For a copy of the full report, please visit NWEA's web site at www.nwea.org >> Research >> State Information.

NWEA determines a *cut score* that best matches the score that is equivalent to the minimum proficiency score on the state test. Because this score is barely passing, if retested, students with this score would have about a 50% probability of passing. Consequently, the minimum RIT score for proficiency is aligned with 50% probability of passing. Tables showing the level of performance needed for higher probability of passing are provided. NWEA Scale Alignment Studies typically produce 80 – 90% predictive accuracy rates.

Reading

Table 4 – Minimum Estimated Prior-Season (fall) RIT Cut Scores Corresponding to New York Performance Levels – Reading

Grade	Does Not Meet	Partially Meets Standards		Meets Standards		Meets Standards With Distinction	
	Cut score	Cut score	Norm Percentile	Cut score	Norm Percentile	Cut score	Norm Percentile
2	<156	156	9	170	35	202	96
3	<168	168	9	186	35	213	96
4	<178	178	9	195	34	220	96
5	<168	168	2	199	27	226	95
6	<173	173	2	208	37	229	92
7	<187	187	5	214	43	234	94
8	<191	191	5	218	45	237	94

Note: Bolded, italicized text denotes extrapolated cut score

Table 8 – Estimated Probability of scoring as Proficient or Higher on the New York Reading Test Based on Prior Season (fall) MAP Score, by Student Grade and RIT Score Range on MAP Reading

RIT Range	Estimated Probability of Passing State Test for Student with Given RIT Score						
	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8
155	22%	5%	2%	1%	1%	0%	0%
160	31%	8%	4%	2%	1%	1%	0%
165	43%	13%	6%	4%	2%	1%	1%
170	55%	20%	9%	6%	3%	1%	1%
175	67%	29%	14%	10%	4%	2%	2%
180	77%	40%	22%	16%	7%	4%	3%
185	84%	52%	31%	23%	11%	6%	4%
190	90%	64%	43%	33%	17%	10%	7%
195	94%	75%	55%	45%	25%	16%	11%
200	96%	83%	67%	57%	36%	23%	17%
205	98%	89%	77%	69%	48%	33%	25%
210	99%	93%	84%	78%	60%	45%	36%
215	99%	96%	90%	86%	71%	57%	48%
220	99%	97%	94%	91%	80%	69%	60%
225	100%	98%	96%	94%	87%	78%	71%
230	100%	99%	98%	96%	92%	86%	80%
235	100%	99%	99%	98%	95%	91%	87%
240	100%	100%	99%	99%	97%	94%	92%
245	100%	100%	99%	99%	98%	96%	95%
250	100%	100%	100%	99%	99%	98%	97%

Mathematics

Table 3 – Minimum Estimated Prior-Season (fall) RIT Cut Scores Corresponding to New York Performance Levels – Mathematics

Grade	Does Not Meet	Partially Meets Standards		Meets Standards		Meets Standards With Distinction	
	Cut score	Cut score	Norm Percentile	Cut score	Norm Percentile	Cut score	Norm Percentile
2	<161	161	5	169	19	187	77
3	<172	172	5	181	17	201	77
4	<186	186	9	196	27	210	74
5	<191	191	7	205	31	225	86
6	<200	200	12	212	34	232	85
7	<200	200	8	219	37	240	86
8	<204	204	8	225	39	246	86

Note: Bolded, italicized text denotes extrapolated cut score

Table 7 – Estimated Probability of scoring as Proficient or Higher on the New York Mathematics Test Based on Prior Season (fall) MAP Score, by Student Grade and RIT Score Range on MAP Mathematics

RIT Range	Estimated Probability of Passing State Test for Student with Given RIT Score						
	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8
155	23%	8%	2%	1%	0%	0%	0%
160	33%	13%	3%	1%	1%	0%	0%
165	45%	20%	5%	2%	1%	1%	0%
170	57%	29%	8%	4%	2%	1%	1%
175	69%	40%	13%	6%	3%	1%	1%
180	78%	52%	20%	9%	5%	2%	1%
185	86%	64%	29%	14%	8%	4%	2%
190	91%	75%	40%	22%	12%	6%	4%
195	94%	83%	52%	31%	18%	10%	6%
200	96%	89%	64%	43%	27%	16%	9%
205	98%	93%	75%	55%	38%	23%	14%
210	99%	96%	83%	67%	50%	33%	22%
215	99%	97%	89%	77%	62%	45%	31%
220	99%	98%	93%	84%	73%	57%	43%
225	100%	99%	96%	90%	82%	69%	55%
230	100%	99%	97%	94%	88%	78%	67%
235	100%	100%	98%	96%	92%	86%	77%
240	100%	100%	99%	98%	95%	91%	84%
245	100%	100%	99%	99%	97%	94%	90%
250	100%	100%	100%	99%	98%	96%	94%



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North Dakota Proficiency Tables from Scale Alignment Study

These tables were extracted from "A Study of the Alignment of the NWEA RIT Scale with the North Dakota State Assessment (NDSA)," October, 2008. For a copy of the full report, please visit NWEA's web site at www.nwea.org >> Research >> State Information.

NWEA determines a *cut score* that best matches the score that is equivalent to the minimum proficiency score on the state test. Because this score is barely passing, if retested, students with this score would have about a 50% probability of passing. Consequently, the minimum RIT score for proficiency is aligned with 50% probability of passing. Tables showing the level of performance needed for higher probability of passing are provided. NWEA Scale Alignment Studies typically produce 80 – 90% predictive accuracy rates.

Reading

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	

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

RIT Range	Estimated Probability of Passing State Test for Student with Given RIT Score					
	3	4	5	6	7	8
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%

Mathematics

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	

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

RIT Range	Estimated Probability of Passing State Test for Student with Given RIT Score					
	3	4	5	6	7	8
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%

Ohio Proficiency Tables from Scale Alignment Study

These tables were extracted from "A Study of the Alignment of the NWEA RIT Scale with the Ohio Achievement Tests," Michael P. Dahlin, Ph.D., August, 2007. For a copy of the full report, please visit NWEA's web site at www.nwea.org >> Research >> State Information

NWEA determines a *cut score* that best matches the score that is equivalent to the minimum proficiency score on the state test. Because this score is barely passing, if retested, students with this score would have about a 50% probability of passing. Consequently, the minimum RIT score for proficiency is aligned with 50% probability of passing. Tables showing the level of performance needed for higher probability of passing are provided. NWEA Scale Alignment Studies typically produce 80 – 90% predictive accuracy rates.

Reading

Table 4 – Minimum Estimated Prior-Season (Fall) RIT Cut Scores Corresponding to Ohio Performance Levels – Reading

Grade	Basic			Proficient		Accelerated		Advanced	
	Limited Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile
2	<157	157	10	163	22	172	38	184	65
3	<170	170	10	179	22	187	38	197	65
4	<182	182	12	189	22	205	63	216	91
5	<187	187	10	196	21	214	71	223	92
6	<194	194	12	203	25	219	71	228	91
7	<194	194	8	206	23	221	65	229	86
8	<194	194	6	209	22	223	60	233	87
9	<191	191	4	207	15	225	57	236	88
10	<185	185	2	202	7	227	53	239	89

Note: Shaded text denotes an estimated cut score due to insufficient data.

Table 8 – Estimated Probability of Passing State Reading Test Based on Prior Season (Fall) MAP Score, by Student Grade and RIT Score Range on MAP Reading

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

Mathematics

Table 3 – Minimum Estimated Prior-Season (Fall) RIT Cut Scores Corresponding to Ohio Performance Levels – Mathematics

Grade	Basic			Proficient		Accelerated		Advanced	
	Limited Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile
2	<163	163	7	170	20	182	61	190	85
3	<174	174	7	182	20	196	61	204	85
4	<188	188	12	198	32	210	74	216	88
5	<202	202	23	208	40	219	73	225	86
6	<203	203	16	212	34	222	61	229	79
7	<202	202	10	217	32	237	81	246	93
8	<202	202	7	222	32	240	75	251	93
9	<205	205	7	225	32	245	75	255	93

Note: Shaded text denotes an estimated cut score due to insufficient data.

Table 7 – Estimated Probability of Passing State Mathematics Test Based on Prior Season (Fall) MAP Score, by Student Grade and RIT Score Range on MAP Mathematics

RIT Range	Estimated Probability of Passing State Test for Student with Given RIT Score								
	2	3	4	5	6	7	8	9	
130	2%	1%	0%	0%	0%	0%	0%	0%	
135	4%	1%	0%	0%	0%	0%	0%	0%	
140	6%	2%	0%	0%	0%	0%	0%	0%	
145	9%	3%	1%	0%	0%	0%	0%	0%	
150	14%	5%	1%	0%	0%	0%	0%	0%	
155	22%	8%	2%	1%	0%	0%	0%	0%	
160	31%	12%	3%	1%	1%	0%	0%	0%	
165	43%	18%	4%	2%	1%	1%	0%	0%	
170	55%	27%	7%	3%	2%	1%	1%	1%	
175	67%	38%	11%	4%	3%	2%	1%	1%	
180	77%	50%	17%	7%	5%	3%	2%	1%	
185	84%	62%	25%	11%	8%	5%	3%	2%	
190	90%	73%	36%	17%	12%	8%	5%	4%	
195	94%	82%	48%	25%	18%	12%	8%	6%	
200	96%	88%	60%	36%	27%	18%	12%	9%	
205	98%	92%	71%	48%	38%	27%	18%	14%	
210	99%	95%	80%	60%	50%	38%	27%	22%	
215	99%	97%	87%	71%	62%	50%	38%	31%	
220	99%	98%	92%	80%	73%	62%	50%	43%	
225	100%	99%	95%	87%	82%	73%	62%	55%	
230	100%	99%	97%	92%	88%	82%	73%	67%	
235	100%	100%	98%	95%	92%	88%	82%	77%	
240	100%	100%	99%	97%	95%	92%	88%	84%	
245	100%	100%	99%	98%	97%	95%	92%	90%	
250	100%	100%	100%	99%	98%	97%	95%	94%	
255	100%	100%	100%	99%	99%	98%	97%	96%	
260	100%	100%	100%	100%	99%	99%	98%	98%	
265	100%	100%	100%	100%	100%	99%	99%	99%	
270	100%	100%	100%	100%	100%	100%	99%	99%	

Oregon Proficiency Tables from Scale Alignment Study

These tables were extracted from “A Study of the Alignment of the NWEA RIT Scale with the Oregon Assessment of Knowledge and Skills (OAKS),” March, 2009. For a copy of the full report, please visit NWEA’s web site at www.nwea.org >> Research >> State Information.

NWEA determines a *cut score* that best matches the score that is equivalent to the minimum proficiency score on the state test. Because this score is barely passing, if retested, students with this score would have about a 50% probability of passing. Consequently, the minimum RIT score for proficiency is aligned with 50% probability of passing. Tables showing the level of performance needed for higher probability of passing are provided. NWEA Scale Alignment Studies typically produce 80 – 90% predictive accuracy rates.

Reading

Table 4 – Minimum Estimated Prior-Season (fall) RIT Cut Scores Corresponding to OAKS Performance Levels – Reading

Grade	Very Low		Low		Nearly Meets		Meets		Exceeds	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile	
2	<156	156	1	161	7	165	14	184	63	
3	<162	162	1	171	7	177	14	197	63	
4	<166	166	1	180	8	188	18	206	64	
5	<180	180	4	190	12	202	32	218	80	
6	<181	181	3	196	13	207	33	223	79	
7	<174	174	1	198	11	210	30	228	81	
8	<183	183	2	208	19	218	43	233	85	

Note: Bolded, italicized text denotes extrapolated cut score.

Table 8 – Estimated Probability of scoring as Proficient (“Meets Standards”) or Higher on the OAKS Reading Test Based on Prior Season (fall) MAP Score, by Student Grade and RIT Score Range on MAP Reading

RIT Range	Estimated Probability of Passing State Test for Student with Given RIT Score							
	2	3	4	5	6	7	8	
145	14%	5%	2%	0%	0%	0%	0%	
150	22%	8%	3%	1%	0%	0%	0%	
155	31%	12%	4%	1%	1%	1%	0%	
160	43%	18%	7%	2%	1%	1%	0%	
165	55%	27%	11%	3%	2%	1%	1%	
170	67%	38%	17%	5%	3%	2%	1%	
175	77%	50%	25%	8%	5%	4%	2%	
180	84%	62%	36%	12%	8%	6%	3%	
185	90%	73%	48%	18%	12%	9%	4%	
190	94%	82%	60%	27%	18%	14%	7%	
195	96%	88%	71%	38%	27%	22%	11%	
200	98%	92%	80%	50%	38%	31%	17%	
205	99%	95%	87%	62%	50%	43%	25%	
210	99%	97%	92%	73%	62%	55%	36%	
215	99%	98%	95%	82%	73%	67%	48%	
220	100%	99%	97%	88%	82%	77%	60%	
225	100%	99%	98%	92%	88%	84%	71%	
230	100%	100%	99%	95%	92%	90%	80%	
235	100%	100%	99%	97%	95%	94%	87%	
240	100%	100%	100%	98%	97%	96%	92%	

Mathematics

Table 3 – Minimum Estimated Prior-Season (fall) RIT Cut Scores Corresponding to OAKS Performance Levels – Mathematics

Grade	Very Low		Low		Nearly Meets		Meets		Exceeds	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile	
2	<163	163	2	170	18	173	27	188	80	
3	<169	169	2	181	18	185	27	202	80	
4	<178	178	3	192	18	196	27	215	84	
5	<184	184	3	200	18	205	30	222	78	
6	<193	193	5	208	24	214	37	231	80	
7	<182	182	1	208	16	215	28	240	84	
8	<191	191	2	214	18	224	35	243	78	

Note: Bolded, italicized text denotes extrapolated cut score.

Table 7 – Estimated Probability of scoring as Proficient (“Meets Standards”) or Higher on the OAKS Mathematics Test Based on Prior Season (fall) MAP Score, by Student Grade and RIT Score Range on MAP Mathematics

RIT Range	Estimated Probability of Passing State Test for Student with Given RIT Score							
	2	3	4	5	6	7	8	
145	7%	2%	1%	0%	0%	0%	0%	
150	11%	4%	1%	1%	0%	0%	0%	
155	17%	6%	2%	1%	0%	0%	0%	
160	25%	9%	3%	1%	1%	1%	0%	
165	36%	14%	5%	2%	1%	1%	0%	
170	48%	22%	8%	4%	1%	1%	1%	
175	60%	31%	13%	6%	2%	2%	1%	
180	71%	43%	20%	9%	4%	4%	1%	
185	80%	55%	29%	14%	6%	6%	2%	
190	87%	67%	40%	22%	10%	9%	4%	
195	92%	77%	52%	31%	16%	14%	6%	
200	95%	84%	64%	43%	23%	22%	10%	
205	97%	90%	75%	55%	33%	31%	16%	
210	98%	94%	83%	67%	45%	43%	23%	
215	99%	96%	89%	77%	57%	55%	33%	
220	99%	98%	93%	84%	69%	67%	45%	
225	100%	99%	96%	90%	78%	77%	57%	
230	100%	99%	97%	94%	86%	84%	69%	
235	100%	99%	98%	96%	91%	90%	78%	
240	100%	100%	99%	98%	94%	94%	86%	



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Pennsylvania Proficiency Tables from Scale Alignment Study

These tables were extracted from "Aligning the NWEA RIT Scale with the Pennsylvania System of School Assessment (PSSA)," John Cronin, Ph.D. and Branin Bowe, January, 2004. For a copy of the full report, please visit NWEA's web site at www.nwea.org >> Research >> State Information.

NWEA determines a *cut score* that best matches the score that is equivalent to the minimum proficiency score on the state test. Because this score is barely passing, if retested, students with this score would have about a 50% probability of passing. Consequently, the minimum RIT score for proficiency is aligned with 50% probability of passing. Tables showing the level of performance needed for higher probability of passing are provided. NWEA Scale Alignment Studies typically produce 80 – 90% predictive accuracy rates.

Reading and Mathematics

Table 1
Reading and Mathematics Tests Included by Grade

Subject	5	8	Total
Reading	1365	1075	2440
Mathematics	1365	1075	2440

Table 2
Means, Standard Deviations, and Medians for the PSSA and NWEA assessments

Grade	5	8
PSSA Reading		
N	1365	1075
Mean	1259.80	1185.62
Median	1250	1198
Std. Deviation	229.28	212.54
NWEA Reading		
N	1365	1075
Mean	206.40	212.53
Median	208	214
Std. Deviation	16.87	17.41
PSSA Mathematics		
N	1365	1075
Mean	1308.69	1192.55
Median	1299	1171
Std. Deviation	204.13	154.20
NWEA Mathematics		
N	1365	1075
Mean	215.93	221.25
Median	215	222
Std. Deviation	15.77	17.52

Table 3
Pearson Correlations for PSSA and NWEA assessments by Subject

Grade 5 (n=1365)				
	PSSA Reading	NWEA Reading	PSSA Math	NWEA Math
PSSA Reading	1	.844	.794	.797
NWEA Reading		1	.726	.797
PSSA Math			1	.872
NWEA Math				1
Grade 8 (n=1075)				
	PSSA Reading	NWEA Reading	PSSA Math	NWEA Math
PSSA Reading	1	.844	.738	.771
NWEA Reading		1	.691	.795
PSSA Math			1	.848
NWEA Math				1

Same subject correlations are shaded.

Table 4
Estimated points on the RIT scale equating to the minimum scores (rounded) for performance levels on the PSSA

Reading	Linear Regression				Second-order Regression				Rasch Status-on-Standard			
	Below	Basic	Prof	Adv	Below	Basic	Prof	Adv	Below	Basic	Prof	Adv
Grade 5	<=198	199	210	226	<=200	201	212	224	<=200	201	210	221
Grade 8	<=207	208	222	242	<=210	211	223	238	<=209	210	221	235
Mathematics	Linear Regression				Second-order Regression				Rasch Status-on-Standard			
	Below	Basic	Prof	Adv	Below	Basic	Prof	Adv	Below	Basic	Prof	Adv
Grade 5	<=204	205	216	231	<=204	205	216	231	<=205	206	216	228
Grade 8	<=219	220	237	264	<=222	223	237	254	<=221	222	236	250



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Rhode Island Proficiency Tables from Scale Alignment Study

These tables were extracted from "A Study of the Alignment of the NWEA RIT Scale with the Rhode Island Assessment System," John Cronin, Ph.D., March, 2007. For a copy of the full report, please visit NWEA's web site at www.nwea.org >> Research >> State Information.

NWEA determines a *cut score* that best matches the score that is equivalent to the minimum proficiency score on the state test. Because this score is barely passing, if retested, students with this score would have about a 50% probability of passing. Consequently, the minimum RIT score for proficiency is aligned with 50% probability of passing. Tables showing the level of performance needed for higher probability of passing are provided. NWEA Scale Alignment Studies typically produce 80 – 90% predictive accuracy rates.

Reading

Table 1 – Recommended same-season (fall) RIT cut scores for Rhode Island performance levels – Reading

Grade	Substantially Below Proficient	Partially Proficient		Proficient		Distinction	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile
3	<169	169	9	185	33	205	85
4	<185	185	16	195	34	215	89
5	<187	187	10	202	34	221	89
6	<200	200	19	210	43	229	92
7	<199	199	13	213	40	232	91
8	<204	204	14	219	48	236	92

Table 5 – Proportion of students passing the Rhode Island state reading assessment based on same-season (fall) reading RIT range

RIT Range	Percent in this range who pass					
	3	4	5	6	7	8
155	6%	2%	1%	1%	0%	0%
160	9%	4%	2%	1%	1%	0%
165	14%	6%	3%	1%	1%	1%
170	22%	9%	5%	2%	2%	1%
175	31%	14%	8%	4%	3%	1%
180	43%	22%	12%	6%	4%	2%
185	55%	31%	18%	9%	7%	4%
190	67%	43%	27%	14%	11%	6%
195	77%	55%	38%	22%	17%	10%
200	84%	67%	50%	31%	25%	16%
205	90%	77%	62%	43%	36%	23%
210	94%	84%	73%	55%	48%	33%
215	96%	90%	82%	67%	60%	45%
220	98%	94%	88%	77%	71%	57%
225	99%	96%	92%	84%	80%	69%
230	99%	98%	95%	90%	87%	78%
235	99%	99%	97%	94%	92%	86%
240	100%	99%	98%	96%	95%	91%
245	100%	99%	99%	98%	97%	94%
250	100%	100%	99%	99%	98%	96%

Mathematics

Table 2 – Recommended same-season (fall) RIT cut scores for Rhode Island performance levels – Mathematics

Grade	Substantially Below Proficient	Partially Proficient		Proficient		Distinction	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile
3	<179	179	14	190	41	204	85
4	<191	191	16	199	35	213	82
5	<199	199	17	206	34	224	84
6	<208	208	25	216	44	233	87
7	<211	211	21	222	44	239	84
8	<221	221	30	231	53	247	87

Table 6 – Proportion of students passing the Rhode Island state mathematics assessment based on same-season (fall) mathematics RIT range

RIT Range	Percent in this range who pass					
	3	4	5	6	7	8
160	6%	2%	1%	0%	0%	0%
165	9%	4%	2%	1%	0%	0%
170	14%	6%	3%	1%	1%	0%
175	22%	10%	5%	2%	1%	0%
180	31%	16%	8%	3%	2%	1%
185	43%	23%	13%	5%	3%	1%
190	55%	33%	20%	8%	5%	2%
195	67%	45%	29%	13%	8%	3%
200	77%	57%	40%	20%	12%	5%
205	84%	69%	52%	29%	18%	8%
210	90%	78%	64%	40%	27%	13%
215	94%	86%	75%	52%	38%	20%
220	96%	91%	83%	64%	50%	29%
225	98%	94%	89%	75%	62%	40%
230	99%	96%	93%	83%	73%	52%
235	99%	98%	96%	89%	82%	64%
240	99%	99%	97%	93%	88%	75%
245	100%	99%	98%	96%	92%	83%
250	100%	99%	99%	97%	95%	89%
255	100%	100%	99%	98%	97%	93%
260	100%	100%	100%	99%	98%	96%

South Carolina Proficiency Tables from Scale Alignment Study

These tables were extracted from "A Study of the Alignment of the NWEA RIT Scale with the South Carolina Assessment System," John Cronin, Ph.D., March, 2007. For a copy of the full report, please visit NWEA's web site at www.nwea.org >> Research >> State Information.

NWEA determines a *cut score* that best matches the score that is equivalent to the minimum proficiency score on the state test. Because this score is barely passing, if retested, students with this score would have about a 50% probability of passing. Consequently, the minimum RIT score for proficiency is aligned with 50% probability of passing. Tables showing the level of performance needed for higher probability of passing are provided. NWEA Scale Alignment Studies typically produce 80 – 90% predictive accuracy rates.

Reading

Table 6 – Recommended prior-season (fall) RIT cut scores for South Carolina performance levels – Reading

Grade	Below Basic	Basic		Proficient		Advanced	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile
3	<173	173	13	189	43	208	91
4	<187	187	19	204	60	219	95
5	<195	195	19	212	65	227	96
6	<203	203	25	217	65	228	91
7	<208	208	27	223	71	236	96
8	<210	210	24	227	72	241	97

Percentile column shows the associated NWEA norm group percentile score.

Table 16 – Proportion of students passing the South Carolina state reading assessment based on prior-season (fall) RIT range

RIT Range	Percent in this range who pass					
	3	4	5	6	7	8
160	6%	1%	1%	0%	0%	0%
165	10%	2%	1%	1%	0%	0%
170	16%	4%	2%	1%	1%	0%
175	23%	6%	3%	2%	1%	1%
180	33%	10%	5%	3%	2%	1%
185	45%	16%	8%	5%	3%	2%
190	57%	23%	12%	8%	4%	3%
195	69%	33%	18%	12%	7%	5%
200	78%	45%	27%	18%	11%	8%
205	86%	57%	38%	27%	17%	12%
210	91%	69%	50%	38%	25%	18%
215	94%	78%	62%	50%	36%	27%
220	96%	86%	73%	62%	48%	38%
225	98%	91%	82%	73%	60%	50%
230	99%	94%	88%	82%	71%	62%
235	99%	96%	92%	88%	80%	73%
240	99%	98%	95%	92%	87%	82%
245	100%	99%	97%	95%	92%	88%
250	100%	99%	98%	97%	95%	92%
255	100%	99%	99%	98%	97%	95%

Mathematics

Table 8 – Recommended prior-season (fall) RIT cut scores for South Carolina performance levels – Mathematics

Grade	Below Basic	Basic		Proficient		Advanced	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile
3	<183	183	22	199	71	207	91
4	<196	196	27	207	64	216	88
5	<203	203	26	219	73	225	86
6	<207	207	23	224	67	232	85
7	<215	215	28	232	69	238	83
8	<224	224	36	240	75	248	89

Table 18 – Proportion of students passing the South Carolina state mathematics assessment based on prior-season (fall) RIT range

RIT Range	Percent in this range who pass					
	3	4	5	6	7	8
170	6%	3%	1%	1%	0%	0%
175	10%	5%	1%	1%	0%	0%
180	16%	8%	2%	1%	1%	0%
185	23%	12%	4%	2%	1%	1%
190	33%	18%	6%	4%	2%	1%
195	45%	27%	10%	6%	3%	1%
200	57%	38%	16%	10%	5%	2%
205	69%	50%	23%	16%	8%	4%
210	78%	62%	33%	23%	12%	6%
215	86%	73%	45%	33%	18%	9%
220	91%	82%	57%	45%	27%	14%
225	94%	88%	69%	57%	38%	22%
230	96%	92%	78%	69%	50%	31%
235	98%	95%	86%	78%	62%	43%
240	99%	97%	91%	86%	73%	55%
245	99%	98%	94%	91%	82%	67%
250	99%	99%	96%	94%	88%	77%
255	100%	99%	98%	96%	92%	84%
260	100%	100%	99%	98%	95%	90%
265	100%	100%	99%	99%	97%	94%
270	100%	100%	99%	99%	98%	96%

Texas Proficiency Tables from Scale Alignment Study

These tables were extracted from “A Study to Update the Alignment of the NWEA RIT Scale with the Texas Assessment of Knowledge and Skills,” John Cronin, Ph.D., January, 2007. For a copy of the full report, please visit NWEA’s web site at www.nwea.org >> Research >> State Information.

NWEA determines a *cut score* that best matches the score that is equivalent to the minimum proficiency score on the state test. Because this score is barely passing, if retested, students with this score would have about a 50% probability of passing. Consequently, the minimum RIT score for proficiency is aligned with 50% probability of passing. Tables showing the level of performance needed for higher probability of passing are provided. NWEA Scale Alignment Studies typically produce 80 – 90% predictive accuracy rates.

Reading

Table 3 – Recommended prior season (fall) RIT cut scores for TAKS performance levels - Reading

Grade	Did not meet	Met	Commended
3	<173	173 (13)	200 (73)
4	<190	190 (24)	215 (88)
5	<201	201 (32)	223 (92)
6	<202	202 (23)	219 (71)
7	<208	208 (27)	236 (96)

Associated NWEA norm group percentile score is in parentheses. Percentile scores do not exist for Grade 11.

Table 7 – Proportion of students estimated to pass the TAKS reading assessment based on prior season (fall) reading RIT range

RIT Range	3	4	5	6	7
145	0%				
150	22%				
155	58%				
160	58%				
165	58%				
170	58%		0%		
175	62%		17%	0%	0%
180	92%		40%	25%	31%
185	93%		40%	50%	31%
190	99%		40%	60%	33%
195	100%		56%	65%	45%
200			74%	87%	58%
205			89%	91%	68%
210			95%	97%	79%
215			99%	99%	92%
220			100%	100%	99%
225					99%
230					100%

Mathematics

Table 4 – Recommended prior season (fall) RIT cut scores for TAKS performance levels – Mathematics

Grade	Did not meet	Met	Commended
3	<187	187 (32)	207 (91)
4	<199	199 (34)	217 (90)
5	<202	202 (23)	221 (77)
6	<213	213 (36)	233 (87)
7	<220	220 (39)	249 (96)

Table 8 – Proportion of students passing the TAKS mathematics assessment based on prior season (fall) RIT range

RIT Range	3	4	5	6	7
155	0%				
160	19%				
165	19%				
170	40%	0%			
175	41%	22%			
180	62%	22%	0%		
185	79%	41%	4%		
190	89%	41%	7%	0%	
195	97%	59%	10%	13%	
200	99%	83%	27%	38%	3%
205	100%	94%	64%	44%	13%
210		97%	81%	54%	21%
215		99%	91%	65%	27%
220		99%	95%	89%	53%
225		100%	98%	93%	81%
230			98%	95%	90%
235			100%	94%	97%
240				100%	100%

Utah Proficiency Tables from Scale Alignment Study

These tables were extracted from "The Alignment of the NWEA RIT Scale with the Utah Performance Assessment System for Students (U-PASS)," November, 2008. For a copy of the full report, please visit NWEA's web site at www.nwea.org >> Research >> State Information.

NWEA determines a *cut score* that best matches the score that is equivalent to the minimum proficiency score on the state test. Because this score is barely passing, if retested, students with this score would have about a 50% probability of passing. Consequently, the minimum RIT score for proficiency is aligned with 50% probability of passing. Tables showing the level of performance needed for higher probability of passing are provided. NWEA Scale Alignment Studies typically produce 80 – 90% predictive accuracy rates.

Reading

Table 5 – Minimum Estimated Prior-Season (fall) RIT Cut Scores on MAP Reading Test Corresponding to Utah CRT Performance Levels in English/Language Arts

Grade	Level 1		Level 2		Level 3		Level 4	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile	
2	<152	152	3	160	17	180	54	
3	<170	170	10	183	28	198	67	
4	<178	178	9	189	21	205	61	
5	<183	183	7	198	25	207	47	
6	<193	193	11	204	27	217	62	
7	<196	196	10	207	25	218	55	
8	<194	194	6	207	18	219	47	

Table 11 – Estimated Probability of Scoring as Proficient (Level 3) or Higher on the Utah CRT (ELA) in Prior Season (fall) by Grade and RIT Score Range on MAP Reading

RIT Range	Estimated Probability of Passing State Test for Student with Given RIT Score							
	2	3	4	5	6	7	8	
140	14%	2%	1%	0%	0%	0%	0%	
145	22%	3%	1%	1%	0%	0%	0%	
150	31%	4%	2%	1%	1%	0%	0%	
155	43%	7%	4%	2%	1%	1%	1%	
160	55%	11%	6%	3%	1%	1%	1%	
165	67%	17%	10%	4%	2%	2%	2%	
170	77%	25%	16%	7%	4%	3%	3%	
175	84%	36%	23%	11%	6%	5%	5%	
180	90%	48%	33%	17%	10%	8%	8%	
185	94%	60%	45%	25%	16%	12%	12%	
190	96%	71%	57%	36%	23%	18%	18%	
195	98%	80%	69%	48%	33%	27%	27%	
200	99%	87%	78%	60%	45%	38%	38%	
205	99%	92%	86%	71%	57%	50%	50%	
210	99%	95%	91%	80%	69%	62%	62%	
215	100%	97%	94%	87%	78%	73%	73%	
220	100%	98%	96%	92%	86%	82%	82%	
225	100%	99%	98%	95%	91%	88%	88%	
230	100%	99%	99%	97%	94%	92%	92%	
235	100%	100%	99%	98%	96%	95%	95%	
240	100%	100%	99%	99%	98%	97%	97%	
245	100%	100%	100%	99%	99%	98%	98%	
250	100%	100%	100%	100%	99%	99%	99%	
255	100%	100%	100%	100%	99%	99%	99%	

Mathematics

Table 4 – Minimum Estimated Prior-Season (fall) RIT Cut Scores on MAP Mathematics Test Corresponding to Utah CRT Performance Levels in Mathematics

Grade	Level 1		Level 2		Level 3		Level 4	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile	
2	<163	163	7	174	32	179	50	
3	<174	174	7	185	27	194	53	
4	<187	187	10	196	26	202	46	
5	<194	194	10	204	28	211	48	
6	<197	197	9	208	25	217	45	
7	<195	195	5	204	12	214	25	
8	<205	205	9	213	17	226	40	

Table 10 – Estimated Probability of Scoring as Proficient (Level 3) or Higher on the Utah CRT in Prior Season (fall) by Grade and RIT Score Range on MAP Mathematics

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

Vermont Proficiency Tables from Scale Alignment Study

These tables were extracted from "A Study of the Alignment of the NWEA RIT Scale with the Vermont Assessment System," John Cronin, Ph.D., March, 2007. For a copy of the full report, please visit NWEA's web site at www.nwea.org >> Research >> State Information.

NWEA determines a *cut score* that best matches the score that is equivalent to the minimum proficiency score on the state test. Because this score is barely passing, if retested, students with this score would have about a 50% probability of passing. Consequently, the minimum RIT score for proficiency is aligned with 50% probability of passing. Tables showing the level of performance needed for higher probability of passing are provided. NWEA Scale Alignment Studies typically produce 80 – 90% predictive accuracy rates.

Reading

Table 1 – Recommended same-season (fall) RIT cut scores for Vermont performance levels – Reading

Grade	Substantially Below Proficient	Partially Proficient		Proficient		Distinction	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile
3	<169	169	9	185	33	205	85
4	<185	185	16	195	34	215	89
5	<187	187	10	202	34	221	89
6	<200	200	19	210	43	229	92
7	<199	199	13	213	40	232	91
8	<204	204	14	219	48	236	92

Table 5 – Proportion of students passing the Vermont state reading assessment based on same-season (fall) reading RIT range

RIT Range	Percent in this range who pass					
	3	4	5	6	7	8
155	6%	2%	1%	1%	0%	0%
160	9%	4%	2%	1%	1%	0%
165	14%	6%	3%	1%	1%	1%
170	22%	9%	5%	2%	2%	1%
175	31%	14%	8%	4%	3%	1%
180	43%	22%	12%	6%	4%	2%
185	55%	31%	18%	9%	7%	4%
190	67%	43%	27%	14%	11%	6%
195	77%	55%	38%	22%	17%	10%
200	84%	67%	50%	31%	25%	16%
205	90%	77%	62%	43%	36%	23%
210	94%	84%	73%	55%	48%	33%
215	96%	90%	82%	67%	60%	45%
220	98%	94%	88%	77%	71%	57%
225	99%	96%	92%	84%	80%	69%
230	99%	98%	95%	90%	87%	78%
235	99%	99%	97%	94%	92%	86%
240	100%	99%	98%	96%	95%	91%
245	100%	99%	99%	98%	97%	94%
250	100%	100%	99%	99%	98%	96%

Mathematics

Table 2 – Recommended same-season (fall) RIT cut scores for Vermont performance levels – Mathematics

Grade	Substantially Below Proficient	Partially Proficient		Proficient		Distinction	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile
3	<179	179	14	190	41	204	85
4	<191	191	16	199	35	213	82
5	<199	199	17	206	34	224	84
6	<208	208	25	216	44	233	87
7	<211	211	21	222	44	239	84
8	<221	221	30	231	53	247	87

Table 6 – Proportion of students passing the Vermont state mathematics assessment based on same-season (fall) mathematics RIT range

RIT Range	Percent in this range who pass					
	3	4	5	6	7	8
160	6%	2%	1%	0%	0%	0%
165	9%	4%	2%	1%	0%	0%
170	14%	6%	3%	1%	1%	0%
175	22%	10%	5%	2%	1%	0%
180	31%	16%	8%	3%	2%	1%
185	43%	23%	13%	5%	3%	1%
190	55%	33%	20%	8%	5%	2%
195	67%	45%	29%	13%	8%	3%
200	77%	57%	40%	20%	12%	5%
205	84%	69%	52%	29%	18%	8%
210	90%	78%	64%	40%	27%	13%
215	94%	86%	75%	52%	38%	20%
220	96%	91%	83%	64%	50%	29%
225	98%	94%	89%	75%	62%	40%
230	99%	96%	93%	83%	73%	52%
235	99%	98%	96%	89%	82%	64%
240	99%	99%	97%	93%	88%	75%
245	100%	99%	98%	96%	92%	83%
250	100%	99%	99%	97%	95%	89%
255	100%	100%	99%	98%	97%	93%
260	100%	100%	100%	99%	98%	96%

Washington Proficiency Tables from Scale Alignment Study

These tables were extracted from "A Study of the Alignment of the NWEA RIT Scale with the Washington Assessment System," Michael P. Dahlin, Ph.D., March, 2007. For a copy of the full report, please visit NWEA's web site at www.nwea.org >> Research >> State Information.

NWEA determines a *cut score* that best matches the score that is equivalent to the minimum proficiency score on the state test. Because this score is barely passing, if retested, students with this score would have about a 50% probability of passing. Consequently, the minimum RIT score for proficiency is aligned with 50% probability of passing. Tables showing the level of performance needed for higher probability of passing are provided. NWEA Scale Alignment Studies typically produce 80 – 90% predictive accuracy rates.

Reading

Table 4 – Recommended prior-season (fall) RIT cut scores for Washington performance levels – Reading

Grade	Well Below Standard	Below Standard		Meets Standard		Above Standard	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile
3	<171	171	11	187	38	200	73
4	<169	169	4	190	24	208	73
5	<183	183	7	199	27	213	68
6	<191	191	9	209	40	225	85
7	<196	196	10	216	49	225	76
8	<200	200	10	215	36	228	75
9	<198	198	7	214	27	226	61
10	<195	195	4	213	18	225	46

Note: Bolded, italicized text denotes extrapolated cut scores

Table 10 – Proportion of students passing the Washington state reading assessment based on prior-season (fall) reading RIT range

RIT Range	Percent in this range who pass						
	3	4	5	6	7	8	10
155	5%	4%	1%	1%	0%	0%	0%
160	8%	6%	2%	1%	0%	1%	1%
165	12%	9%	4%	1%	1%	1%	1%
170	18%	14%	6%	2%	1%	1%	2%
175	27%	22%	10%	4%	2%	2%	3%
180	38%	31%	16%	6%	3%	4%	4%
185	50%	43%	23%	10%	5%	6%	7%
190	62%	55%	33%	16%	8%	9%	11%
195	73%	67%	45%	23%	13%	14%	17%
200	82%	77%	57%	33%	20%	22%	25%
205	88%	84%	69%	45%	29%	31%	36%
210	92%	90%	78%	57%	40%	43%	48%
215	95%	94%	86%	69%	52%	55%	60%
220	97%	96%	91%	78%	64%	67%	71%
225	98%	98%	94%	86%	75%	77%	80%
230	99%	99%	96%	91%	83%	84%	87%
235	99%	99%	98%	94%	89%	90%	92%
240	100%	99%	99%	96%	93%	94%	95%

Mathematics

Table 5 – Recommended prior-season (fall) RIT cut scores for Washington performance levels – Mathematics

Grade	Well Below Standard	Below Standard		Meets Standard		Above Standard	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile
3	<180	180	15	189	38	201	77
4	<195	195	24	202	46	211	77
5	<203	203	26	211	50	222	80
6	<210	210	29	221	58	231	83
7	<219	219	37	228	59	238	83
8	<222	222	32	233	58	245	84
9	<223	223	28	236	54	248	83
10	<226	226	24	239	52	253	84

Note: Bolded, italicized text denotes extrapolated cut scores

Table 11 – Proportion of students passing the Washington state mathematics assessment based on prior-season (fall) RIT range

RIT Range	Percent in this range who pass						
	3	4	5	6	7	8	10
160	6%	2%	1%	0%	0%	0%	0%
165	10%	3%	1%	0%	0%	0%	0%
170	16%	5%	2%	1%	0%	0%	0%
175	23%	8%	3%	1%	1%	0%	0%
180	33%	12%	5%	2%	1%	1%	0%
185	45%	18%	8%	3%	2%	1%	1%
190	57%	27%	13%	5%	3%	2%	1%
195	69%	38%	20%	8%	4%	3%	1%
200	78%	50%	29%	13%	7%	4%	2%
205	86%	62%	40%	20%	11%	7%	4%
210	91%	73%	52%	29%	17%	11%	6%
215	94%	82%	64%	40%	25%	17%	10%
220	96%	88%	75%	52%	36%	25%	16%
225	98%	92%	83%	64%	48%	36%	23%
230	99%	95%	89%	75%	60%	48%	33%
235	99%	97%	93%	83%	71%	60%	45%
240	99%	98%	96%	89%	80%	71%	57%
245	100%	99%	97%	93%	87%	80%	69%
250	100%	99%	98%	96%	92%	87%	78%
255	100%	100%	99%	97%	95%	92%	86%
260	100%	100%	99%	98%	97%	95%	91%
265	100%	100%	100%	99%	98%	97%	94%
270	100%	100%	100%	99%	99%	98%	96%

Wisconsin Proficiency Tables from Scale Alignment Study

These tables were extracted from "A Study of the Alignment of the NWEA RIT Scale with the Wisconsin Assessment System," Deborah Adkins, March, 2007. For a copy of the full report, please visit NWEA's web site at www.nwea.org >> Research >> State Information.

NWEA determines a *cut score* that best matches the score that is equivalent to the minimum proficiency score on the state test. Because this score is barely passing, if retested, students with this score would have about a 50% probability of passing. Consequently, the minimum RIT score for proficiency is aligned with 50% probability of passing. Tables showing the level of performance needed for higher probability of passing are provided. NWEA Scale Alignment Studies typically produce 80 – 90% predictive accuracy rates.

Reading

Table 1 – Recommended same-season (fall) RIT cut scores for Wisconsin performance levels – Reading

Grade	Minimal Performance	Basic		Proficient		Advanced	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile
3	<157	157	2	174	14	193	53
4	<170	170	4	185	16	203	57
5	<178	178	4	193	16	210	58
6	<184	184	5	198	16	214	55
7	<188	188	5	202	17	219	59
8	<192	192	5	204	14	223	60
10	<204	204	8	216	23	229	59

Table 7 – Proportion of students passing the Wisconsin state reading assessment based on same-season (fall) reading RIT range

RIT Range	Percent in this range who pass						
	3	4	5	6	7	8	10
145	6%	2%	1%	1%	0%	0%	0%
150	10%	4%	2%	1%	1%	1%	0%
155	16%	6%	3%	2%	1%	1%	0%
160	23%	9%	4%	3%	2%	1%	0%
165	33%	14%	7%	4%	3%	2%	1%
170	45%	22%	11%	7%	5%	4%	1%
175	57%	31%	17%	11%	8%	6%	2%
180	69%	43%	25%	17%	12%	10%	3%
185	78%	55%	36%	25%	18%	16%	5%
190	86%	67%	48%	36%	27%	23%	8%
195	91%	77%	60%	48%	38%	33%	13%
200	94%	84%	71%	60%	50%	45%	20%
205	96%	90%	80%	71%	62%	57%	29%
210	98%	94%	87%	80%	73%	69%	40%
215	99%	96%	92%	87%	82%	78%	52%
220	99%	98%	95%	92%	88%	86%	64%
225	99%	99%	97%	95%	92%	91%	75%
230	100%	99%	98%	97%	95%	94%	83%
235	100%	99%	99%	98%	97%	96%	89%
240	100%	100%	99%	99%	98%	98%	93%
245	100%	100%	100%	99%	99%	99%	96%

Mathematics

Table 3 – Recommended same-season (fall) RIT cut scores for Wisconsin performance levels – Mathematics

Grade	Minimal Performance	Basic		Proficient		Advanced	
	Cut score	Cut score	Percentile	Cut score	Percentile	Cut score	Percentile
3	<182	182	20	186	29	198	68
4	<192	192	18	197	29	208	68
5	<197	197	14	203	26	218	70
6	<199	199	11	206	21	225	69
7	<203	203	11	211	21	232	69
8	<205	205	9	217	23	239	72
10	<215	215	11	225	23	248	74

Table 9 – Proportion of students passing the Wisconsin state mathematics assessment based on same-season (fall) mathematics RIT range

RIT Range	Percent in this range who pass						
	3	4	5	6	7	8	10
155	5%	2%	1%	1%	0%	0%	0%
160	8%	3%	2%	1%	1%	0%	0%
165	13%	5%	3%	2%	1%	1%	0%
170	20%	8%	4%	3%	2%	1%	1%
175	29%	12%	7%	5%	3%	2%	1%
180	40%	18%	11%	8%	5%	3%	1%
185	52%	27%	17%	13%	8%	5%	2%
190	64%	38%	25%	20%	13%	8%	4%
195	75%	50%	36%	29%	20%	12%	6%
200	83%	62%	48%	40%	29%	18%	9%
205	89%	73%	60%	52%	40%	27%	14%
210	93%	82%	71%	64%	52%	38%	22%
215	96%	88%	80%	75%	64%	50%	31%
220	97%	92%	87%	83%	75%	62%	43%
225	98%	95%	92%	89%	83%	73%	55%
230	99%	97%	95%	93%	89%	82%	67%
235	99%	98%	97%	96%	93%	88%	77%
240	100%	99%	98%	97%	96%	92%	84%
245	100%	99%	99%	98%	97%	95%	90%
250	100%	100%	99%	99%	98%	97%	94%
255	100%	100%	100%	99%	99%	98%	96%

Wyoming Proficiency Tables from Scale Alignment Study

These tables were extracted from *A Study of the Alignment of the NWEA RIT Scale with the Proficiency Assessments for Wyoming Students (PAWS)*, Michael P. Dahlin, Ph.D., December, 2007. For a copy of the full report, please visit NWEA's web site at www.nwea.org >> Research >> State Information.

NWEA determines a *cut score* that best matches the score that is equivalent to the minimum proficiency score on the state test. Because this score is barely passing, if retested, students with this score would have about a 50% probability of passing. Consequently, the minimum RIT score for proficiency is aligned with 50% probability of passing. Tables showing the level of performance needed for higher probability of passing are provided. NWEA Scale Alignment Studies typically produce 80 – 90% predictive accuracy rates.

Reading

Table 4 – Minimum Estimated Prior-Season (fall) RIT Cut Scores Corresponding to PAWS Performance Levels – Reading

Grade	Does Not Meet	Partially Meets Standards		Meets Standards		Meets Standards With Distinction	
	Cut score	Cut score	Norm Percentile	Cut score	Norm Percentile	Cut score	Norm Percentile
2	<158	158	13	178	51	200	94
3	<172	172	12	192	51	211	94
4	<183	183	14	201	51	216	91
5	<189	189	12	206	46	222	90
6	<198	198	16	213	52	227	89
7	<202	202	17	214	43	229	86
8	<204	204	14	218	45	234	89

Note: Bolded, italicized text denotes extrapolated cut score

Table 8 – Estimated Probability of scoring as Proficient or Higher on the PAWS Reading Test Based on Prior Season (fall) MAP Score, by Student Grade and RIT Score Range on MAP Reading

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

Mathematics

Table 3 – Minimum Estimated Prior-Season (fall) RIT Cut Scores Corresponding to PAWS Performance Levels – Mathematics

Grade	Does Not Meet	Partially Meets Standards		Meets Standards		Meets Standards With Distinction	
	Cut score	Cut score	Norm Percentile	Cut score	Norm Percentile	Cut score	Norm Percentile
2	<166	166	12	176	40	194	91
3	<178	178	12	189	38	207	91
4	<193	193	20	202	46	217	90
5	<199	199	17	209	43	228	90
6	<207	207	23	216	44	232	85
7	<215	215	28	223	47	237	81
8	<222	222	32	231	53	245	84

Note: Bolded, italicized text denotes extrapolated cut score

Table 7 – Estimated Probability of scoring as Proficient or Higher on the PAWS Mathematics Test Based on Prior Season (fall) MAP Score, by Student Grade and RIT Score Range on MAP Mathematics

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