

## CONNECTICUT MASTERY TESTING PROGRAM IN READING

### **Raw Score Conversions to DRP<sup>®</sup> Scores, National Percentiles, and Normal Curve Equivalents (NCEs) for Secure Degrees of Reading Power<sup>®</sup> (DRP) Test Forms CSD-3, CSD-4, CSD-5, CSD-6, CSD-7, and CSD-8**

Secure DRP test forms CSD-3, CSD-4, CSD-5, CSD-6, CSD-7, and CSD-8, were administered in Grades 3 through 8 as part of the Spring 2010 administration of the Connecticut Mastery Testing (CMT) Program.

Please note that the Connecticut State Department of Education (CSDE) reports DRP test scores at different levels of comprehension in different grades:

Grades 3 and 4 @ P=.70

Grades 5 and 6 @ P=.75

Grades 7 and 8 @ P=.80

As a result, the performance of students on these DRP tests cannot be compared directly, unless the scores are converted to the same level of comprehension. Connecticut educators can use the DRP conversion tables in this booklet to convert DRP scores reported for CMT in grades 3 through 8 and make valid comparisons of student performance across these grades.

These DRP tests are being administered as part of the Fourth Generation CMT and share the characteristics of prior Fourth Generation forms. The range of DRP scores reported on Fourth Generation forms differs from that of earlier generations as well as that of prior DRP shelf forms. In the past, the lowest score reported on a DRP test was 15- and the highest score was 99+. For these forms, the lowest possible DRP score is 14 and the highest possible score is 100. Otherwise, DRP test results are reported on the same scale as those used in prior generations of the CMT as well as DRP shelf forms.

The DRP forms administered as part of the Fourth Generation CMT were designed specifically to be appropriate for students in Connecticut schools. Nevertheless, there will be occasions on which one or more students receives a very low score or a very high score. DRP test scores at the extremes of a test form (i.e., when a student scores near the top of the scale or near the bottom of the scale) should be interpreted cautiously.



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## DIRECTIONS

**Assess Progress or Compare Performance Across Grades:** DRP scores can be compared directly provided they are reported at the same level of comprehension. The first step in comparing DRP scores across grades is to decide which level of comprehension to use. The Independent Level (P=.90) indicates the difficulty of material that students can read on their own. The Instructional Levels (P=.70, P=.75, P=.80) indicate the difficulty of material that students can read with varying degrees of assistance.

If you want to convert all DRP scores on the CMT to the 7<sup>th</sup> & 8<sup>th</sup> Grade Mastery Level (P=.80), you will need to convert all the reported 3<sup>rd</sup>, 4<sup>th</sup>, 5<sup>th</sup>, and 6<sup>th</sup> grade scores.

For example, using the attached table for Grade 3 Test Form CSD-3:

1. Look up the 3<sup>rd</sup> grade DRP score under the column labeled 3<sup>rd</sup> & 4<sup>th</sup> Grade Mastery (P=.70).
2. Find, on the same line, the corresponding DRP score for Grade 8 under the column labeled 7<sup>th</sup> & 8<sup>th</sup> Grade Mastery (P=.80).

Similarly, using the attached table for Grade 6 Test Form CSD-6:

1. Look up the 6<sup>th</sup> grade DRP score under the column labeled 5<sup>th</sup> & 6<sup>th</sup> Grade Mastery (P=.75).
2. Find, on the same line, the corresponding DRP score for Grade 8 under the column labeled 7<sup>th</sup> & 8<sup>th</sup> Grade Mastery (P=.80).

In all of the attached tables, the P=.90 Level of Comprehension has also been provided for those who wish to interpret student reading performance in terms of the Independent Level of Comprehension.

**Normative Scores:** Normative data for DRP tests are published in the manual entitled DRP Norms (© 2000). Data included in the attached tables can be used to obtain the percentile rank and normal curve equivalent (NCE) that correspond to a given DRP score. For the 3<sup>rd</sup> grade CMT scores, for example, look at the table for test form CSD-3 and find the DRP score under the column labeled 3<sup>rd</sup> & 4<sup>th</sup> Grade Mastery (P=.70). The percentile rank and NCE that correspond to this DRP score are on the same line under the headings Gr. 3 %ile RANK and Gr. 3 NCE, respectively. Due to the fact that the CMT is administered in March, outside the testing window on which Fall and Spring norms are based, interpolated DRP norms are provided in this publication.

If you have any questions regarding the use of these tables, please feel free to call Questar at (800) 800-2598 or e-mail [jschlange@QuestarAI.com](mailto:jschlange@QuestarAI.com) at your convenience.

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# Connecticut Mastery Testing Program

Raw Score Conversions to DRP Scores,  
National Percentiles, and Normal Curve Equivalents (NCEs)

Grade 3 Test Form CSD-3

Total Items Right	LEVELS OF COMPREHENSION IN DRP UNITS				Gr. 3 %ile RANK*	Gr. 3 NCE*
	Independent Level (P=.90)	7th & 8th Grade Mastery (P=.80)	5th & 6th Grade Mastery (P=.75)	3rd & 4th Grade Mastery (P=.70)		
42	81	89	92	95	99	99
41	73	81	84	87	99	99
40	65	73	76	79	99	99
39	61	69	72	75	99	99
38	57	65	68	71	98	93
37	54	62	65	68	96	87
36	52	60	63	66	95	85
35	50	58	61	64	93	81
34	48	56	59	62	91	78
33	46	54	57	60	88	75
32	45	53	56	59	87	74
31	43	51	54	57	84	71
30	42	50	53	56	82	69
29	40	48	51	54	78	66
28	39	47	50	53	76	65
27	38	46	49	52	73	63
26	36	44	47	50	69	60
25	35	43	46	49	66	59
24	34	42	45	48	64	58
23	33	41	44	47	61	56
22	31	39	42	45	55	53

Total Items Right	LEVELS OF COMPREHENSION IN DRP UNITS				Gr. 3 %ile RANK*	Gr. 3 NCE*
	Independent Level (P=.90)	7th & 8th Grade Mastery (P=.80)	5th & 6th Grade Mastery (P=.75)	3rd & 4th Grade Mastery (P=.70)		
21	30	38	41	44	53	52
20	29	37	40	43	51	51
19	28	36	39	42	48	49
18	27	35	38	41	45	47
17	25	33	36	39	39	44
16	24	32	35	38	37	43
15	23	31	34	37	34	41
14	22	30	33	36	31	40
13	20	28	31	34	27	37
12	19	27	30	33	25	36
11	17	25	28	31	20	32
10	16	24	27	30	18	31
9	14	22	25	28	15	28
8	14	21	24	27	13	26
7	14	19	22	25	10	23
6	14	17	20	23	8	20
5	14	14	17	20	5	15
4	14	14	15	18	4	13
3	14	14	14	14	3	10
2	14	14	14	14	1	1
1	14	14	14	14	1	1
0	14	14	14	14	1	1

\* Percentile Rank and NCE have been interpolated for March test administration.

# Connecticut Mastery Testing Program

Raw Score Conversions to DRP Scores,  
National Percentiles, and Normal Curve Equivalents (NCEs)

Grade 4 Test Form CSD-4

Total Items Right	LEVELS OF COMPREHENSION IN DRP UNITS				Gr. 4 %ile RANK*	Gr. 4 NCE*
	Independent Level (P=.90)	7th & 8th Grade Mastery (P=.80)	5th & 6th Grade Mastery (P=.75)	3rd & 4th Grade Mastery (P=.70)		
42	86	94	97	100	99	99
41	78	86	89	92	99	99
40	70	78	81	84	99	99
39	65	73	76	79	98	93
38	61	69	72	75	95	85
37	59	67	70	73	93	81
36	56	64	67	70	90	77
35	54	62	65	68	87	74
34	52	60	63	66	85	72
33	50	58	61	64	81	69
32	48	56	59	62	77	66
31	47	55	58	61	75	64
30	45	53	56	59	71	62
29	44	52	55	58	68	60
28	42	50	53	56	63	57
27	41	49	52	55	60	55
26	40	48	51	54	58	54
25	38	46	49	52	53	52
24	37	45	48	51	49	49
23	36	44	47	50	46	48
22	35	43	46	49	44	47

Total Items Right	LEVELS OF COMPREHENSION IN DRP UNITS				Gr. 4 %ile RANK*	Gr. 4 NCE*
	Independent Level (P=.90)	7th & 8th Grade Mastery (P=.80)	5th & 6th Grade Mastery (P=.75)	3rd & 4th Grade Mastery (P=.70)		
21	33	41	44	47	38	44
20	32	40	43	46	36	43
19	31	39	42	45	33	41
18	30	38	41	44	31	40
17	28	36	39	42	27	37
16	27	35	38	41	24	35
15	26	34	37	40	22	34
14	25	33	36	39	20	32
13	23	31	34	37	16	29
12	22	30	33	36	15	28
11	21	29	32	35	13	26
10	19	27	30	33	11	24
9	18	26	29	32	9	22
8	16	24	27	30	7	19
7	14	22	25	28	5	15
6	14	20	23	26	5	15
5	14	18	21	24	4	13
4	14	15	18	21	2	7
3	14	14	15	18	1	1
2	14	14	14	14	1	1
1	14	14	14	14	1	1
0	14	14	14	14	1	1

\* Percentile Rank and NCE have been interpolated for March test administration.

# Connecticut Mastery Testing Program

Raw Score Conversions to DRP Scores,  
National Percentiles, and Normal Curve Equivalents (NCEs)

Grade 5 Test Form CSD-5

Total Items Right	LEVELS OF COMPREHENSION IN DRP UNITS			Gr. 5 %ile RANK*	Gr. 5 NCE*
	Independent Level (P=.90)	7th & 8th Grade Mastery (P=.80)	5th & 6th Grade Mastery (P=.75)		
49	89	97	100	99	99
48	82	90	93	99	99
47	75	83	86	99	99
46	71	79	82	98	93
45	67	75	78	96	87
44	65	73	76	94	83
43	63	71	74	92	80
42	61	69	72	90	77
41	59	67	70	87	74
40	57	65	68	84	71
39	56	64	67	82	69
38	54	62	65	77	66
37	53	61	64	75	64
36	52	60	63	73	63
35	50	58	61	68	60
34	49	57	60	66	59
33	48	56	59	63	57
32	47	55	58	60	55
31	46	54	57	58	54
30	45	53	56	55	53
29	44	52	55	52	51
28	43	51	54	49	49
27	42	50	53	46	48
26	41	49	52	43	46
25	40	48	51	41	45
24	39	47	50	38	44
23	38	46	49	35	42
22	37	45	48	32	40

Total Items Right	LEVELS OF COMPREHENSION IN DRP UNITS			Gr. 5 %ile RANK*	Gr. 5 NCE*
	Independent Level (P=.90)	7th & 8th Grade Mastery (P=.80)	5th & 6th Grade Mastery (P=.75)		
21	36	44	47	30	39
20	35	43	46	27	37
19	34	42	45	25	36
18	33	41	44	22	34
17	31	39	42	18	31
16	30	38	41	17	30
15	29	37	40	15	28
14	28	36	39	14	27
13	27	35	38	12	25
12	25	33	36	10	23
11	24	32	35	9	22
10	23	31	34	8	20
9	21	29	32	6	17
8	19	27	30	4	13
7	18	26	29	4	13
6	16	24	27	3	10
5	14	21	24	2	7
4	14	19	22	1	1
3	14	15	18	1	1
2	14	14	14	1	1
1	14	14	14	1	1
0	14	14	14	1	1

\* Percentile Rank and NCE have been interpolated for March test administration.

# Connecticut Mastery Testing Program

Raw Score Conversions to DRP Scores,  
National Percentiles, and Normal Curve Equivalents (NCEs)

Grade 6 Test Form CSD-6

Total Items Right	LEVELS OF COMPREHENSION IN DRP UNITS			Gr. 6 %ile RANK*	Gr. 6 NCE*
	Independent Level (P=.90)	7th & 8th Grade Mastery (P=.80)	5th & 6th Grade Mastery (P=.75)		
49	97	100	100	99	99
48	89	97	100	99	99
47	81	89	92	99	99
46	77	85	88	99	99
45	73	81	84	97	90
44	70	78	81	95	85
43	68	76	79	94	83
42	66	74	77	92	80
41	64	72	75	89	76
40	62	70	73	86	73
39	61	69	72	84	71
38	59	67	70	80	68
37	58	66	69	78	66
36	57	65	68	76	65
35	55	63	66	71	62
34	54	62	65	68	60
33	53	61	64	66	59
32	52	60	63	63	57
31	51	59	62	60	55
30	50	58	61	58	54
29	48	56	59	52	51
28	47	55	58	50	50
27	46	54	57	47	48
26	45	53	56	44	47
25	44	52	55	41	45
24	43	51	54	38	44
23	42	50	53	35	42
22	41	49	52	32	40

Total Items Right	LEVELS OF COMPREHENSION IN DRP UNITS			Gr. 6 %ile RANK*	Gr. 6 NCE*
	Independent Level (P=.90)	7th & 8th Grade Mastery (P=.80)	5th & 6th Grade Mastery (P=.75)		
21	40	48	51	30	39
20	39	47	50	27	37
19	38	46	49	25	36
18	37	45	48	22	34
17	36	44	47	20	32
16	35	43	46	19	32
15	34	42	45	17	30
14	33	41	44	15	28
13	31	39	42	12	25
12	30	38	41	10	23
11	29	37	40	9	22
10	27	35	38	8	20
9	26	34	37	7	19
8	24	32	35	5	15
7	22	30	33	4	13
6	20	28	31	3	10
5	18	26	29	2	7
4	15	23	26	1	1
3	14	20	23	1	1
2	14	15	18	1	1
1	14	14	14	1	1
0	14	14	14	1	1

\* Percentile Rank and NCE have been interpolated for March test administration.

# Connecticut Mastery Testing Program

Raw Score Conversions to DRP Scores,  
National Percentiles, and Normal Curve Equivalents (NCEs)

Grade 7 Test Form CSD-7

Total Items Right	LEVELS OF COMPREHENSION IN DRP UNITS		Gr. 7 %ile RANK*	Gr. 7 NCE*
	Independent Level (P=.90)	7th & 8th Grade Mastery (P=.80)		
49	96	100	99	99
48	89	97	99	99
47	82	90	98	93
46	78	86	96	87
45	74	82	93	81
44	72	80	91	78
43	70	78	89	76
42	68	76	86	73
41	66	74	83	70
40	64	72	79	67
39	63	71	77	66
38	61	69	73	63
37	60	68	71	62
36	59	67	69	60
35	58	66	66	59
34	57	65	64	58
33	55	63	59	55
32	54	62	56	53
31	53	61	54	52
30	52	60	51	51
29	51	59	49	49
28	50	58	46	48
27	49	57	43	46
26	48	56	41	45
25	47	55	39	44
24	46	54	36	43
23	45	53	33	41
22	44	52	31	40

Total Items Right	LEVELS OF COMPREHENSION IN DRP UNITS		Gr. 7 %ile RANK*	Gr. 7 NCE*
	Independent Level (P=.90)	7th & 8th Grade Mastery (P=.80)		
21	43	51	29	38
20	42	50	26	37
19	41	49	24	35
18	40	48	23	34
17	39	47	21	33
16	38	46	19	32
15	37	45	17	30
14	36	44	16	29
13	35	43	15	28
12	33	41	11	24
11	32	40	9	22
10	31	39	8	20
9	29	37	6	17
8	27	35	5	15
7	26	34	4	13
6	24	32	4	13
5	21	29	2	7
4	19	27	2	7
3	16	24	1	1
2	14	19	1	1
1	14	14	1	1
0	14	14	1	1

\* Percentile Rank and NCE have been interpolated for March test administration.

# Connecticut Mastery Testing Program

Raw Score Conversions to DRP Scores,  
National Percentiles, and Normal Curve Equivalents (NCEs)

Grade 8 Test Form CSD-8

Total Items Right	LEVELS OF COMPREHENSION IN DRP UNITS		Gr. 8 %ile RANK*	Gr. 8 NCE*
	Independent Level (P=.90)	7th & 8th Grade Mastery (P=.80)		
49	100	100	99	99
48	93	100	99	99
47	86	94	98	93
46	81	89	96	87
45	78	86	94	83
44	75	83	91	78
43	73	81	89	76
42	71	79	86	73
41	69	77	83	70
40	68	76	81	69
39	66	74	78	66
38	65	73	76	65
37	63	71	71	62
36	62	70	69	60
35	61	69	67	59
34	60	68	64	58
33	59	67	61	56
32	58	66	59	55
31	56	64	54	52
30	55	63	51	51
29	54	62	49	49
28	53	61	46	48
27	52	60	44	47
26	51	59	41	45
25	50	58	38	44
24	49	57	35	42
23	48	56	33	41
22	47	55	31	40

Total Items Right	LEVELS OF COMPREHENSION IN DRP UNITS		Gr. 8 %ile RANK*	Gr. 8 NCE*
	Independent Level (P=.90)	7th & 8th Grade Mastery (P=.80)		
21	46	54	28	38
20	45	53	26	37
19	44	52	24	35
18	43	51	22	34
17	42	50	20	32
16	41	49	19	32
15	40	48	17	30
14	39	47	15	28
13	38	46	14	27
12	36	44	11	24
11	35	43	10	23
10	34	42	9	22
9	32	40	7	19
8	31	39	6	17
7	29	37	4	13
6	27	35	3	10
5	25	33	3	10
4	22	30	2	7
3	19	27	1	1
2	14	22	1	1
1	14	15	1	1
0	14	14	1	1

\* Percentile Rank and NCE have been interpolated for March test administration.

# Linking DRP Scores to Text Difficulty

The same scale that is used to report students' DRP test results (at various levels of comprehension) is used to measure the difficulty of text. Therefore, test results can be used to inform instruction.

For example, a student receiving a DRP score of 50 at P=.70 should be able to read a typical elementary school textbook (average difficulty 50 DRP units) or *Charlotte's Web* (50 DRP units) with normal classroom assistance. Students receiving lower scores may need additional help.

DRP difficulty values for more than 6,800 textbooks in current use are available on the Questar Website: [www.QuestarAI.com](http://www.QuestarAI.com).

DRP difficulty values for more than 37,000 works of literature and popular titles are available on DRP→BookLink® software.

DRP→BookLink is designed to help classroom teachers, reading specialists, librarians, and curriculum advisors identify books appropriate for their students' reading abilities. The database is updated each year with additional titles selected from award-winning authors. Each book has been analyzed for its text difficulty, indexed in terms of the age-appropriateness of the content, and assigned a value on the DRP Scale.

Copies of DRP→BookLink may be ordered from Questar, 4 Hardscrabble Heights, P.O. Box 382, Brewster, NY 10509.

<b>DRP® Scale of Text Difficulty</b>	
<b>TEXTBOOKS &amp; EXTRACURRICULAR MATERIALS</b>	<b>LITERATURE AND POPULAR TITLES</b>
	76 <i>Moll Flanders</i>
	75
	74
	73 <i>The Adventures of Don Quixote</i>
	72 <i>Books That Changed the World</i>
<b>First Year College Textbooks*</b>	71 <i>Robinson Crusoe</i>
	<b>70</b> <i>Absalom, Absalom</i>
	69 <i>Profiles in Courage</i>
<b>Lead Articles of Newspapers*</b>	<b>68</b> <i>Silent Spring</i>
	67 <i>The Scarlet Letter</i>
	66 <i>Democracy in America</i>
<b>Driver's License Manuals*</b>	<b>65</b> <i>The Prince</i>
	64 <i>One Hundred Years of Solitude</i>
	63 <i>2001: A Space Odyssey</i>
<b>High School Textbooks*</b>	<b>62</b> <i>Roots</i>
	61 <i>Jane Eyre</i>
	60 <i>Animal Farm</i>
	59 <i>Across Five Aprils</i>
	58 <i>Anne Frank: The Diary of a Young Girl</i>
	57 <i>The Hobbit</i>
<b>Middle School Textbooks*</b>	<b>56</b> <i>Baseball's Greatest Games</i>
	55 <i>Moon Over Tennessee</i>
	54 <i>Harry Potter and the Sorcerer's Stone</i>
	53 <i>Island of the Blue Dolphins</i>
	52 <i>Maniac Magee</i>
	51 <i>Old Yeller</i>
<b>Elementary School Textbooks*</b>	<b>50</b> <i>Charlotte's Web</i>
	49 <i>How to Eat Fried Worms</i>
	48 <i>Sarah, Plain and Tall</i>
	47 <i>The Magic School Bus Inside the Earth</i>
	46 <i>Math Curse</i>
	45 <i>Superfudge</i>
	44 <i>The Boxcar Children</i>
	43 <i>Amelia Bedelia</i>
	42 <i>Shoeshine Girl</i>
	41 <i>Frog and Toad Are Friends</i>
<b>Primary School Textbooks*</b>	<b>40</b> <i>Chicka Chicka Boom Boom</i>
	39 <i>The Golly Sisters Go West</i>
	38 <i>Nate the Great</i>
	37 <i>Clifford, the Big Red Dog</i>
	36 <i>Morris the Moose</i>
	35 <i>The Cat in the Hat</i>
	34 <i>Are You My Mother?</i>
	33 <i>Ranger Don</i>
	32 <i>My Dog's the Best!</i>
	31 <i>Green Eggs and Ham</i>

\* Average text difficulty