

CONNECTICUT MASTERY TESTING PROGRAM IN READING

Raw Score Conversions to DRP[®] Scores, National Percentiles, and Normal Curve Equivalents (NCEs) for Secure Degrees of Reading Power[®] (DRP) Test Forms CSE-3, CSE-4, CSE-5, CSE-6, CSE-7, and CSE-8

Secure DRP test forms CSE-3, CSE-4, CSE-5, CSE-6, CSE-7, and CSE-8, were administered in Grades 3 through 8 as part of the Spring 2012 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 7th & 8th Grade Mastery Level (P=.80), you will need to convert all the reported 3rd, 4th, 5th, and 6th grade scores.

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

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

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

1. Look up the 6th grade DRP score under the column labeled 5th & 6th Grade Mastery (P=.75).
2. Find, on the same line, the corresponding DRP score for Grade 8 under the column labeled 7th & 8th 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 3rd grade CMT scores, for example, look at the table for test form CSE-3 and find the DRP score under the column labeled 3rd & 4th 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 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 CSE-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	44	52	55	58	85	72
31	43	51	54	57	84	71
30	41	49	52	55	80	68
29	40	48	51	54	78	66
28	38	46	49	52	73	63
27	37	45	48	51	71	62
26	36	44	47	50	69	60
25	35	43	46	49	66	59
24	33	41	44	47	61	56
23	32	40	43	46	58	54
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	27	35	38	41	45	47
18	26	34	37	40	42	46
17	25	33	36	39	39	44
16	24	32	35	38	37	43
15	23	31	34	37	34	41
14	21	29	32	35	29	38
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 CSE-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	85	93	96	99	99+	99
41	77	85	88	91	99+	99
40	69	77	80	83	99	99
39	65	73	76	79	98	93
38	61	69	72	75	95	85
37	58	66	69	72	92	80
36	56	64	67	70	90	77
35	53	61	64	67	86	73
34	51	59	62	65	83	70
33	49	57	60	63	79	67
32	48	56	59	62	77	66
31	46	54	57	60	73	63
30	45	53	56	59	71	62
29	43	51	54	57	66	59
28	42	50	53	56	63	57
27	40	48	51	54	58	54
26	39	47	50	53	55	53
25	38	46	49	52	53	52
24	37	45	48	51	49	49
23	35	43	46	49	44	47
22	34	42	45	48	41	45

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	29	37	40	43	29	38
17	28	36	39	42	27	37
16	27	35	38	41	24	35
15	26	34	37	40	22	34
14	24	32	35	38	18	31
13	23	31	34	37	16	29
12	22	30	33	36	15	28
11	20	28	31	34	12	25
10	19	27	30	33	11	24
9	17	25	28	31	8	20
8	16	24	27	30	7	19
7	14	22	25	28	5	15
6	14	20	23	26	5	15
5	14	17	20	23	3	10
4	14	15	18	21	2	7
3	14	14	14	17	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 CSE-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	92	100	100	99+	99
48	84	92	95	99+	99
47	77	85	88	99+	99
46	72	80	83	98	93
45	69	77	80	97	90
44	66	74	77	95	85
43	64	72	75	93	81
42	62	70	73	91	78
41	61	69	72	90	77
40	59	67	70	87	74
39	57	65	68	84	71
38	56	64	67	82	69
37	55	63	66	80	68
36	54	62	65	77	66
35	52	60	63	73	63
34	51	59	62	70	61
33	50	58	61	68	60
32	49	57	60	66	59
31	48	56	59	63	57
30	47	55	58	60	55
29	46	54	57	58	54
28	45	53	56	55	53
27	44	52	55	52	51
26	43	51	54	49	49
25	42	50	53	46	48
24	41	49	52	43	46
23	40	48	51	41	45
22	39	47	50	38	44

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	38	46	49	35	42
20	37	45	48	32	40
19	36	44	47	30	39
18	35	43	46	27	37
17	34	42	45	25	36
16	32	40	43	20	32
15	31	39	42	18	31
14	30	38	41	17	30
13	29	37	40	15	28
12	28	36	39	14	27
11	26	34	37	11	24
10	25	33	36	10	23
9	23	31	34	8	20
8	22	30	33	7	19
7	20	28	31	5	15
6	18	26	29	4	13
5	15	23	26	2	7
4	14	21	24	2	7
3	14	17	20	1	1
2	14	14	16	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 CSE-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	95	100	100	99+	99
48	87	95	98	99+	99
47	79	87	90	99	99
46	75	83	86	98	93
45	71	79	82	96	87
44	68	76	79	94	83
43	66	74	77	92	80
42	64	72	75	89	76
41	62	70	73	86	73
40	61	69	72	84	71
39	59	67	70	80	68
38	58	66	69	78	66
37	57	65	68	76	65
36	55	63	66	71	62
35	54	62	65	68	60
34	53	61	64	66	59
33	52	60	63	63	57
32	51	59	62	60	55
31	50	58	61	58	54
30	49	57	60	55	53
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	32	40	43	13	26
12	30	38	41	10	23
11	29	37	40	9	22
10	28	36	39	9	22
9	26	34	37	7	19
8	25	33	36	6	17
7	23	31	34	5	15
6	21	29	32	3	10
5	19	27	30	2	7
4	16	24	27	1	1
3	14	21	24	1	1
2	14	17	20	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 CSE-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	100	100	99+	99
48	92	100	99+	99
47	84	92	98	93
46	79	87	96	87
45	75	83	94	83
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	58	66	66	59
35	57	65	64	58
34	56	64	62	56
33	55	63	59	55
32	54	62	56	53
31	53	61	54	52
30	52	60	51	51
29	50	58	46	48
28	49	57	43	46
27	48	56	41	45
26	47	55	39	44
25	46	54	36	43
24	45	53	33	41
23	44	52	31	40
22	43	51	29	38

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	42	50	26	37
20	41	49	24	35
19	40	48	23	34
18	39	47	21	33
17	38	46	19	32
16	37	45	17	30
15	36	44	16	29
14	35	43	15	28
13	33	41	11	24
12	32	40	9	22
11	31	39	8	20
10	29	37	6	17
9	28	36	6	17
8	26	34	4	13
7	24	32	4	13
6	22	30	3	10
5	20	28	2	7
4	17	25	1	1
3	14	22	1	1
2	14	18	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 CSE-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	99	100	99+	99
48	91	99	99+	99
47	84	92	97	90
46	79	87	94	83
45	76	84	92	80
44	73	81	89	76
43	71	79	86	73
42	69	77	83	70
41	68	76	81	69
40	66	74	78	66
39	65	73	76	65
38	63	71	71	62
37	62	70	69	60
36	61	69	67	59
35	60	68	64	58
34	59	67	61	56
33	58	66	59	55
32	57	65	56	53
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	37	45	12	25
11	36	44	11	24
10	34	42	9	22
9	33	41	8	20
8	31	39	6	17
7	29	37	4	13
6	27	35	3	10
5	25	33	3	10
4	23	31	2	7
3	19	27	1	1
2	15	23	1	1
1	14	16	1	1
0	14	14	1	1

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

Linking DRP Scores to Text Difficulty

Important: The DRP values shown below are quantitative measures of text difficulty, a critical element of the Common Core Standard's three-part model of text complexity. Quantitative and qualitative indices of text difficulty must be balanced with educators' professional judgment and students' knowledge, interests, and motivation when matching readers and texts.

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 3rd grade student receiving a DRP score of 48 at P=.70 should be able to read a book such as *Sarah, Plain and Tall* (48 DRP units) with normal classroom assistance. Students receiving lower scores may need additional help.

DRP difficulty values for more than 6,800 textbooks are available on the Questar Website: www.QuestarAI.com. DRP difficulty values for more than 38,000 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 Assessment, Inc. 4 Hardscrabble Heights, P.O. Box 382 Brewster, NY 10509-0382.

The results of an independent research study on text complexity have been published as a supplement to Appendix A of the *Common Core State Standards (CCSS) in English Language Arts and Literacy*. The study found that the DRP scale climbs "reliably ... up the text-complexity ladder to college and career readiness." The supplement includes a common scale across multiple measures for the CCSS Grade Bands of Text Complexity. The corresponding DRP scores associated with each grade band are shown here:

Common Core Grade Band	Degrees of Reading Power®
2nd – 3rd	42 – 54 DRP
4th – 5th	52 – 60 DRP
6th – 8th	57 – 67 DRP
9th – 10th	62 – 72 DRP
11th – CCR	67 – 74 DRP

Textbooks & Extracurricular Materials	DRP	Literature and Popular Titles
	76	<i>Moll Flanders</i>
	75	<i>America's Constitution</i>
	74	<i>Chance and Necessity</i>
	73	<i>Guns, Germs and Steel</i>
	72	<i>American Sphinx</i>
	71	<i>The Declaration of Independence</i>
First Year College Textbooks*	70	<i>Circumference</i>
	69	<i>Innumeracy</i>
Lead Articles of Newspapers*	68	<i>Silent Spring</i>
	67	<i>The Scarlet Letter</i>
	66	<i>Democracy in America</i>
	65	<i>The Longitude Prize</i>
Drivers License Manuals*	64	<i>Cathedral</i>
	63	<i>Vincent Van Gogh</i>
High School Textbooks*	62	<i>The Gettysburg Address</i>
	61	<i>The Treasure</i>
	60	<i>Freedom Walkers</i>
	59	<i>A Night to Remember</i>
	58	<i>Hurricanes</i>
	57	<i>I Know Why The Caged Bird Sings</i>
Middle School Textbooks*	56	<i>Tuck Everlasting</i>
	55	<i>The Birchbark House</i>
	54	<i>To Kill a Mockingbird</i>
	53	<i>The Secret Garden</i>
	52	<i>Were the Mountain Meets the Moon</i>
	51	<i>A Wrinkle In Time</i>
Elementary School Textbooks*	50	<i>The Raft</i>
	49	<i>Bat Loves The Night</i>
	48	<i>Sarah, Plain and Tall</i>
	47	<i>Lon Po Po</i>
	46	<i>The Sign Painter</i>
	45	<i>The Treasure</i>
	44	<i>Henry and Mudge</i>
	43	<i>The Stories Julian Tells</i>
	42	<i>The Fire Cat</i>
	41	<i>Frog and Toad Together</i>
Primary School Textbooks*	40	<i>Little Bear</i>
	39	<i>Inch by Inch</i>
	38	<i>Hi! Fly Guy</i>
	37	<i>My Five Senses</i>
	36	<i>The Cat in the Hat Comes Back</i>
	35	<i>Puppy Mudge Takes a Bath</i>
	34	<i>Are You My Mother?</i>
	33	<i>Does a Kangaroo Have a Mother, Too?</i>
	32	<i>Go, Dog, Go!</i>
*Average Text Difficulty	31	<i>Green Eggs and Ham</i>

The full supplement is available at: http://corestandards.org/assets/E0813_Appendix_A_New_Research_on_Text_Complexity.pdf