



Touchstone Applied Science Associates, Inc.

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CONNECTICUT MASTERY TESTING PROGRAM IN READING

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

Secure DRP test forms CSA-3, CSA-4, CSA-5, CSA-6, CSA-7, and CSA-8, were administered in Grades 3 through 8 as part of the Spring 2006 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.

DRP tests administered as part of the Fourth Generation CMT differ in several ways from those of the Third Generation. First, DRP tests are being administered in each grade, 3 through 8, as are other parts of the CMT. Second, DRP tests are shorter than those administered in the Third Generation CMT. DRP tests for grades 3 and 4 consist of 42 items (6 passages) and those for grades 5 through 8 consist of 49 items (7 passages). Third, whereas in the past, the lowest score reported on a DRP test was 15- and the highest score was 99+, for the current tests, 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 prior versions of the CMT and as DRP shelf forms.

The DRP forms administered as part of the Fourth Generation CMT, although shorter than those used previously, 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 CSA-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 CSA-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 also has 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 CSA-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 TASA at (800) 800-2598 or e-mail jschlange@tasa.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 CSA-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	85	93	96	99	99	99
41	77	85	88	91	99	99
40	69	77	80	83	99	99
39	63	71	74	77	99	99
38	59	67	70	73	99	99
37	56	64	67	70	98	93
36	53	61	64	67	96	87
35	51	59	62	65	94	83
34	49	57	60	63	92	80
33	47	55	58	61	90	77
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	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	23	31	34	37	34	41
15	22	30	33	36	31	40
14	21	29	32	35	29	38
13	19	27	30	33	25	36
12	18	26	29	32	23	34
11	16	24	27	30	18	31
10	15	23	26	29	16	29
9	14	21	24	27	13	26
8	14	19	22	25	10	23
7	14	17	20	23	8	20
6	14	15	18	21	6	17
5	14	14	16	19	5	15
4	14	14	14	16	3	10
3	14	14	14	14	2	7
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 CSA-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	84	92	95	98	99	99
41	76	84	87	90	99	99
40	68	76	79	82	98	93
39	64	72	75	78	97	90
38	60	68	71	74	94	83
37	58	66	69	72	92	80
36	55	63	66	69	89	76
35	53	61	64	67	86	73
34	51	59	62	65	83	70
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	43	51	54	57	66	59
27	41	49	52	55	60	55
26	40	48	51	54	58	54
25	39	47	50	53	55	53
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	34	42	45	48	41	45
20	33	41	44	47	38	44
19	31	39	42	45	33	41
18	30	38	41	44	31	40
17	29	37	40	43	29	38
16	28	36	39	42	27	37
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	20	28	31	34	12	25
10	19	27	30	33	11	24
9	17	25	28	31	8	20
8	15	23	26	29	6	17
7	14	21	24	27	5	15
6	14	19	22	25	4	13
5	14	17	20	23	3	10
4	14	14	17	20	2	7
3	14	14	14	16	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 CSA-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	91	99	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	60	68	71	89	76
40	59	67	70	87	74
39	57	65	68	84	71
38	56	64	67	82	69
37	54	62	65	77	66
36	53	61	64	75	64
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	33	41	44	22	34
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	27	35	38	12	25
10	25	33	36	10	23
9	24	32	35	9	22
8	22	30	33	7	19
7	20	28	31	5	15
6	18	26	29	4	13
5	16	24	27	3	10
4	14	22	25	2	7
3	14	18	21	1	1
2	14	14	17	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 CSA-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	94	100	100	99	99
48	87	95	98	99	99
47	80	88	91	99	99
46	75	83	86	98	93
45	72	80	83	97	90
44	69	77	80	95	85
43	67	75	78	93	81
42	65	73	76	90	77
41	64	72	75	89	76
40	62	70	73	86	73
39	60	68	71	82	69
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	49	57	60	55	53
28	48	56	59	52	51
27	47	55	58	50	50
26	46	54	57	47	48
25	45	53	56	44	47
24	44	52	55	41	45
23	43	51	54	38	44
22	42	50	53	35	42

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	41	49	52	32	40
20	40	48	51	30	39
19	39	47	50	27	37
18	38	46	49	25	36
17	37	45	48	22	34
16	36	44	47	20	32
15	35	43	46	19	32
14	34	42	45	17	30
13	32	40	43	13	26
12	31	39	42	12	25
11	30	38	41	10	23
10	29	37	40	9	22
9	27	35	38	8	20
8	25	33	36	6	17
7	24	32	35	5	15
6	22	30	33	4	13
5	19	27	30	2	7
4	17	25	28	2	7
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 CSA-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	98	100	99	99
48	91	99	99	99
47	84	92	98	93
46	79	87	96	87
45	76	84	95	85
44	73	81	92	80
43	70	78	89	76
42	68	76	86	73
41	67	75	85	72
40	65	73	81	69
39	63	71	77	66
38	62	70	75	64
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	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	34	42	13	26
12	32	40	9	22
11	31	39	8	20
10	30	38	7	19
9	28	36	6	17
8	27	35	5	15
7	25	33	4	13
6	23	31	3	10
5	20	28	2	7
4	18	26	2	7
3	15	23	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 CSA-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	85	93	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	67	75	80	68
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	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	49	57	35	42
22	48	56	33	41

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	47	55	31	40
20	46	54	28	38
19	45	53	26	37
18	44	52	24	35
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	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 6,600 textbooks in current use are available on the TASA Website: www.tasaliteracy.com.

DRP difficulty values for more than 33,000 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.

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DRP® Scale of Text Difficulty	
TEXTBOOKS & EXTRACURRICULAR MATERIALS	LITERATURE AND POPULAR TITLES
	76 <i>Moll Flanders</i>
	75
	74
	73 <i>The Adventures of Don Quixote</i>
	72 <i>Books That Changed the World</i>
	71 <i>Robinson Crusoe</i>
First Year College Textbooks*	70 <i>Absalom, Absalom</i>
	69 <i>Profiles in Courage</i>
Lead Articles of Newspapers*	68 <i>Silent Spring</i>
	67 <i>The Scarlet Letter</i>
Driver's License Manuals*	66 <i>Democracy in America</i>
	65 <i>The Prince</i>
	64 <i>One Hundred Years of Solitude</i>
	63 <i>2001: A Space Odyssey</i>
High School Textbooks*	62 <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>
Middle School Textbooks*	56 <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>
Elementary School Textbooks*	51 <i>Old Yeller</i>
	50 <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>
Primary School Textbooks*	40 <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



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