



PROFESSIONAL WORKSHOP

INTERPRETATIVE GUIDE

ANALYZE CMT & CAPT SCORES

ENCLOSURES:

- Definitions of Abbreviations
- CMT Content Strands and Mastery
- CMT Raw Score Reference Guide
- CMT Scale Score Range per Level Guide
 - DRP Reference Guide
 - CAPT Content Strands
 - CAPT Scale Score Ranges

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Definitions of Abbreviations:

Last -	Last Name
First -	First Name
M/F-	Gender
E/R –	Ethnic/Race
F/R –	Free or Reduced Lunch
ELL-	English Language Learners
SpEd –	Special Education
DOB –	Date of Birth
SASID –	State ID
Sch ID –	School Number
DRP –	Degrees of Reading Power
RAW –	Amount of Correct Answers
SS -	Scale Score
Lev -	Level
DAW RAW -	Direct Assessment of Writing Score
Mastery -	Score needed to achieve Mastery/Proficiency



CMT⁴ Content Strands and Mastery

Grade 3

Mathematics

Numerical and Proportional Reasoning		Mastery
1. Place Value		4/6
2. Pictorial Representations of Numbers		4/6
4. Order, Magnitude and Rounding of Numbers		4/6
5. Models of Operations		6/8
6. Basic Facts		4/6
7. Computation with Whole Numbers and Decimals		4/6
9. Solve Word Problems		4/6
10. Numerical Estimation Strategies		3/4
11. Estimating Solutions to Problems		3/4
Geometry and Measurement		
14. Time		4/6
15. Approximating Measures		4/6
16. Customary and Metric Measures		4/6
17. Geometric Shapes and Properties		4/6
Working with Data: Probability and Statistics		
19. Tables, Graphs, and Charts		6/8
21. Probability		3/4
24. Classification and Logical Reasoning		4/6
Algebraic Reasoning: Patterns and Functions		
22. Patterns		4/6
Integrated Understanding		
25. Mathematical Applications		4/6

Reading

Reading Comprehension		Mastery
1. Forming a General Understanding		10/14
2. Developing Interpretation		6/9
3. Making Reader/Text Connections		6/8
4. Examining the Content and Structure		6/9

Writing

Editing and Revising		Mastery
1. Composing/Revising		12/16
2. Editing		12/16

CMT⁴ Content Strands and Mastery

Grade 4

Mathematics

Numerical and Proportional Reasoning	Mastery
1. Place Value	4/6
2. Pictorial Representations of Numbers	4/6
3. Equivalent Fractions, Decimals and Percents	3/4
4. Order, Magnitude and Rounding of Numbers	4/6
5. Models of Operations	6/8
6. Basic Facts	4/6
7. Computation with Whole Numbers and Decimals	4/6
8. Computation with Fractions and Integers	3/4
9. Solve Word Problems	3/4
10. Numerical Estimation Strategies	3/4
11. Estimating Solutions to Problems	3/4
Geometry and Measurement	
14. Time	3/4
15. Approximating Measures	4/6
16. Customary and Metric Measures	3/4
17. Geometric Shapes and Properties	4/6
Working with Data: Probability and Statistics	
19. Tables, Graphs, and Charts	4/6
21. Probability	3/4
24. Classification and Logical Reasoning	4/6
Algebraic Reasoning: Patterns and Functions	
22. Patterns	4/6
23. Algebraic Concepts	3/4
Integrated Understanding	
25. Mathematical Applications	4/6

Reading

Reading Comprehension	Mastery
1. Forming a General Understanding	8/12
2. Developing Interpretation	7/10
3. Making Reader/Text Connections	6/8
4. Examining the Content and Structure	7/10

Writing

Editing and Revising	Mastery
1. Composing/Revising	12/16
2. Editing	12/16

CMT⁴ Content Strands and Mastery

Grade 5

Mathematics

Numerical and Proportional Reasoning	Mastery
1. Place Value	4/6
2. Pictorial Representations of Numbers	4/6
3. Equivalent Fractions, Decimals and Percents	3/4
4. Order, Magnitude and Rounding of Numbers	6/8
5. Models of Operations	6/8
6. Basic Facts	4/6
7. Computation with Whole Numbers and Decimals	4/6
8. Computation with Fractions and Integers	4/6
9. Solve Word Problems	4/6
10. Numerical Estimation Strategies	4/6
11. Estimating Solutions to Problems	3/4
Geometry and Measurement	
14. Time	3/4
15. Approximating Measures	4/6
16. Customary and Metric Measures	6/8
17. Geometric Shapes and Properties	4/6
18. Spatial Relationships	3/4
Working with Data: Probability and Statistics	
19. Tables, Graphs, and Charts	4/6
20. Statistics and Data Analysis	3/4
21. Probability	4/6
24. Classification and Logical Reasoning	4/6
Algebraic Reasoning: Patterns and Functions	
22. Patterns	4/6
23. Algebraic Concepts	3/4
Integrated Understanding	
25. Mathematical Applications	4/6

Reading

Reading Comprehension	Mastery
1. Forming a General Understanding	7/11
2. Developing Interpretation	7/10
3. Making Reader/Text Connections	6/8
4. Examining the Content and Structure	7/11

Writing

Editing and Revising	Mastery
1. Composing/Revising	13/18
2. Editing	13/18

CMT⁴ Content Strands and Mastery
Grade 6

Mathematics

Numerical and Proportional Reasoning		Mastery
1. Place Value		4/6
2. Pictorial Representations of Numbers		4/6
3. Equivalent Fractions, Decimals and Percents		3/4
4. Order, Magnitude and Rounding of Numbers		6/8
5. Models of Operations		4/6
6. Basic Facts		3/4
7. Computation with Whole Numbers and Decimals		6/8
8. Computation with Fractions and Integers		4/6
9. Solve Word Problems		6/8
10. Numerical Estimation Strategies		3/4
11. Estimating Solutions to Problems		7/10
12. Ratios and Proportions		3/4
Geometry and Measurement		
15. Approximating Measures		4/6
16. Customary and Metric Measures		6/8
17. Geometric Shapes and Properties		6/8
18. Spatial Relationships		4/6
Working with Data: Probability and Statistics		
19. Tables, Graphs, and Charts		4/6
20. Statistics and Data Analysis		3/4
21. Probability		3/4
24. Classification and Logical Reasoning		4/6
Algebraic Reasoning: Patterns and Functions		
22. Patterns		4/6
23. Algebraic Concepts		4/6
Integrated Understanding		
25. Mathematical Applications		4/6

Reading

Reading Comprehension		Mastery
1. Forming a General Understanding		7/11
2. Developing Interpretation		7/10
3. Making Reader/Text Connections		6/8
4. Examining the Content and Structure		7/11

Writing

Editing and Revising		Mastery
1. Composing/Revising		13/18
2. Editing		13/18

CMT⁴ Content Strands and Mastery

Grade 7

Mathematics

Numerical and Proportional Reasoning	Mastery
1. Place Value	4/6
2. Pictorial Representations of Numbers	4/6
3. Equivalent Fractions, Decimals and Percents	3/4
4. Order, Magnitude and Rounding of Numbers	6/8
5. Models of Operations	4/6
7. Computation with Whole Numbers and Decimals	4/6
8. Computation with Fractions and Integers	4/6
9. Solve Word Problems	6/8
10. Numerical Estimation Strategies	3/4
11. Estimating Solutions to Problems	7/10
12. Ratios and Proportions	3/4
13. Computation with Percents	3/4
Geometry and Measurement	
15. Approximating Measures	4/6
16. Customary and Metric Measures	6/8
17. Geometric Shapes and Properties	6/8
18. Spatial Relationships	6/8
Working with Data: Probability and Statistics	
19. Tables, Graphs, and Charts	4/6
20. Statistics and Data Analysis	4/6
21. Probability	4/6
24. Classification and Logical Reasoning	4/6
Algebraic Reasoning: Patterns and Functions	
22. Patterns	4/6
23. Algebraic Concepts	6/8
Integrated Understanding	
25. Mathematical Applications	4/6

Reading

Reading Comprehension	Mastery
1. Forming a General Understanding	7/10
2. Developing Interpretation	7/10
3. Making Reader/Text Connections	6/8
4. Examining the Content and Structure	8/12

Writing

Editing and Revising	Mastery
1. Composing/Revising	15/20
2. Editing	15/20

CMT⁴ Content Strands and Mastery
Grade 8

Mathematics

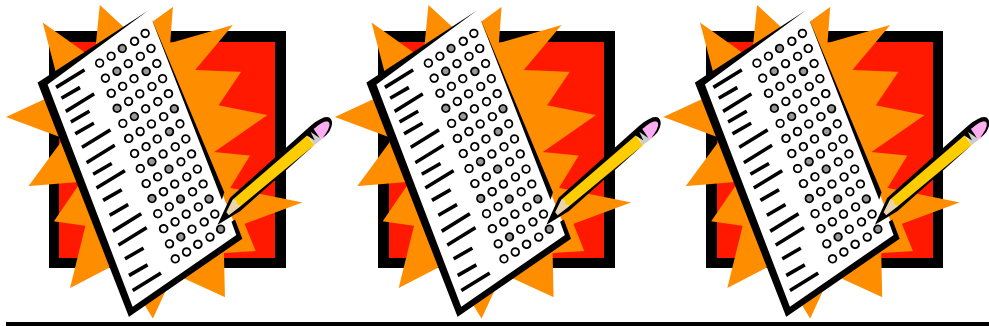
Numerical and Proportional Reasoning	Mastery
1. Place Value	3/4
3. Equivalent Fractions, Decimals and Percents	4/6
4. Order, Magnitude and Rounding of Numbers	4/6
5. Models of Operations	4/6
7. Computation with Whole Numbers and Decimals	4/6
8. Computation with Fractions and Integers	4/6
9. Solve Word Problems	6/8
11. Estimating Solutions to Problems	6/8
12. Ratios and Proportions	6/8
13. Computation with Percents	4/6
Geometry and Measurement	
15. Approximating Measures	4/6
16. Customary and Metric Measures	6/8
17. Geometric Shapes and Properties	6/8
18. Spatial Relationships	8/12
Working with Data: Probability and Statistics	
19. Tables, Graphs, and Charts	4/6
20. Statistics and Data Analysis	6/8
21. Probability	4/6
24. Classification and Logical Reasoning	4/6
Algebraic Reasoning: Patterns and Functions	
22. Patterns	4/6
23. Algebraic Concepts	7/10
Integrated Understanding	
25. Mathematical Applications	4/6

Reading

Reading Comprehension	Mastery
1. Forming a General Understanding	7/10
2. Developing Interpretation	7/10
3. Making Reader/Text Connections	6/8
4. Examining the Content and Structure	8/12

Writing

Editing and Revising	Mastery
1. Composing/Revising	15/20
2. Editing	15/20



REFERENCE GUIDE

CMT 2009 RESULTS

RAW SCORE REPRESENTATION

REFLECTS LEVEL 3 AND ABOVE (PROFICIENCY)

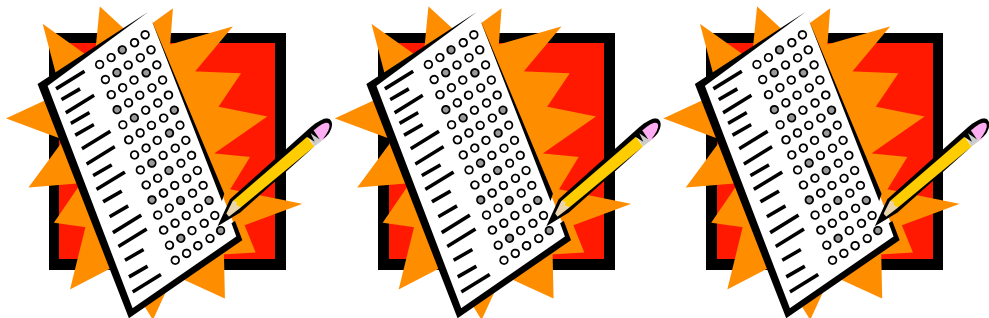
GRADE – CMT	MATH			READING			WRITING		
	Mastery	Total	%	Mastery	Total	%	Mastery	Total	%
Grade 3	77	106	73	28	40	70	24	32	75
Grade 4	77	110	70	28	40	70	24	32	75
Grade 5	92	132	70	27	40	68	26	36	72
Grade 6	99	140	71	27	40	68	26	36	72
Grade 7	103	146	71	28	40	70	30	40	75
Grade 8	102	146	70	28	40	70	30	40	75

Explanation:

Mastery represents the minimum amount of correct questions needed to meet mastery.

Total represents the total amount of questions given on the test.

% represents the minimum required to meet mastery which equates with Level 3.



CMT 2009 RESULTS

MATHEMATICS LEVELS 1 – 5

SCALE SCORE RANGE PER LEVEL

Grade/Level	3 rd	4 th	5 th	6 th	7 th	8 th
Level 1	<186	<193	<190	<189	<190	<190
Level 2	187-209	194-214	191-214	190-213	191-215	191-213
Level 3	210-241	215-244	215-244	214-243	216-245	214-244
Level 4	242-287	245-289	245-292	244-284	246-289	245-286
Level 5	288-400	290-400	293-400	285-400	290-400	287-400

CMT 2009 RESULTS

READING LEVELS 1 – 5

SCALE SCORE RANGE PER LEVEL

Grade/Level	3 rd	4 th	5 th	6 th	7 th	8 th
Level 1	<201	<212	<202	<206	<193	<205
Level 2	202-216	213-226	203-214	207-219	194-207	206-218
Level 3	217-234	227-243	215-229	220-235	208-221	219-231
Level 4	235-278	244-294	230-278	236-288	222-272	232-281
Level 5	279-400	295-400	279-400	289-400	273-400	282-400

CMT 2009 RESULTS

WRITING LEVELS 1 – 5

SCALE SCORE RANGE PER LEVEL

Grade/Level	3 rd	4 th	5 th	6 th	7 th	8 th
Level 1	<187	<184	<185	<184	<191	<188
Level 2	188-211	185-208	186-208	185-210	192-212	189-211
Level 3	212-239	209-236	209-237	211-236	213-235	212-235
Level 4	240-286	237-280	238-283	237-283	236-269	236-282
Level 5	287-400	281-400	284-400	284-400	270-400	283-400

UNDERSTANDING THE DRP UNIT SCORES

GRADE 3

The following descriptors summarize typical student performance relative to a range of DRP Unit Scores.

DRP Unit Score*	Descriptors
47 or above	Students who score at this level possess the knowledge and skills necessary to successfully perform the tasks and assignments appropriately expected of a student at the grade 3 level with minimal teacher assistance. Generally, students who score at this level can comprehend textbooks and other materials typically used at grade 3 or above.
38 - 46	Students who score at this level can comprehend, with some teacher assistance, textbooks and other materials typically used at grade 3 or below.
37 or below	Students who score at this level can comprehend, with varying degrees of difficulty, materials written below a grade 3 level.

*DRP scores reported at P=.70

GRADE 4

The following descriptors summarize typical student performance relative to a range of DRP Unit Scores.

DRP Unit Score*	Descriptors
54 or above	Students who score at this level possess the knowledge and skills necessary to successfully perform the tasks and assignments appropriately expected of a student at the grade 4 level with minimal teacher assistance. Generally, students who score at this level can comprehend textbooks and other materials typically used at grade 4 or above.
45 - 53	Students who score at this level can comprehend, with some teacher assistance, textbooks and other materials typically used at grade 4 or below.
44 or below	Students who score at this level can comprehend, with varying degrees of difficulty, materials written below a grade 4 level.

* DRP Scores reported at P=.70

UNDERSTANDING THE DRP UNIT SCORES

GRADE 5

The following descriptors summarize typical student performance relative to a range of DRP Unit Scores.

DRP Unit Score*	Descriptors
58 or above	Students who score at this level possess the knowledge and skills necessary to successfully perform the tasks and assignments appropriately expected of a student at the grade 5 level with minimal teacher assistance. Generally, students who score at this level can comprehend textbooks and other materials typically used at grade 5 or above.
49 - 57	Students who score at this level can comprehend, with some teacher assistance, textbooks and other materials typically used at grade 5 or below.
48 or below	Students who score at this level can comprehend, with varying degrees of difficulty, materials written below a grade 5 level.

*DRP scores reported at P=.75

GRADE 6

The following descriptors summarize typical student performance relative to a range of DRP Unit Scores.

DRP Unit Score*	Descriptors
62 or above	Students who score at this level possess the knowledge and skills necessary to successfully perform the tasks and assignments appropriately expected of a student at the grade 6 level with minimal teacher assistance. Generally, students who score at this level can comprehend textbooks and other materials typically used at grade 6 or above.
53 - 61	Students who score at this level can comprehend, with some teacher assistance, textbooks and other materials typically used at grade 6 or below.
52 or below	Students who score at this level can comprehend, with varying degrees of difficulty, materials written below a grade 6 level.

* DRP Scores reported at P=.75

UNDERSTANDING THE DRP UNIT SCORES

GRADE 7

The following descriptors summarize typical student performance relative to a range of DRP Unit Scores.

DRP Unit Score*	Descriptors
62 or above	Students who score at this level possess the knowledge and skills necessary to successfully perform the tasks and assignments appropriately expected of a student at the grade 7 level with minimal teacher assistance. Generally, students who score at this level can comprehend textbooks and other materials used at grade 7 or above.
54 - 61	Students who score at this level can comprehend, with some teacher assistance, textbooks and other materials typically used at grade 7 or below.
53 or below	Students who score at this level can comprehend, with varying degrees of difficulty, materials written below a grade 7 level.

* DRP Scores reported at P=.80

GRADE 8

The following descriptors summarize typical student performance relative to a range of DRP Unit Scores.

DRP Unit Score*	Descriptors
65 or above	Students who score at this level possess the knowledge and skills necessary to successfully perform the tasks and assignments appropriately expected of a student at the grade 8 level with minimal teacher assistance. Generally, students who score at this level can comprehend textbooks and other materials used at grade 8 or above.
57 - 64	Students who score at this level can comprehend, with some teacher assistance, textbooks and other materials typically used at grade 8 or below.
56 or below	Students who score at this level can comprehend, with varying degrees of difficulty, materials written below a grade 8 level.

* DRP Scores reported at P=.80

CAPT Content Strands

Mathematics

	Possible Score
Algebraic Reasoning: Patterns and Functions	12
Numerical and Proportional Reasoning	12
Geometry and Measurement	12
Working with Data: Probability and Statistics	12
<i>Total Raw Score</i>	48

Science

	Possible Score
Energy Transformations	15
Chemical Structures and Properties	15
Global Interdependence	15
Cell Chemistry and Biotechnology	15
Genetics, Evolution, and Biodiversity	15
Content Knowledge	40
Scientific Inquiry, Literacy, and Numeracy	35
<i>Total Raw Score</i>	150

Reading Across the Disciplines

	Possible Score
Response to Literature	12
Reading For Information	24
<i>Total Raw Score</i>	36

Writing Across the Disciplines

	Possible Score
Interdisciplinary Writing	12
Editing and Revising	18
<i>Total Raw Score</i>	30



REFERENCE GUIDE

CAPT 2009 RESULTS

SCALE SCORE RANGE PER LEVEL

Content Area	Level 1 Below Basic	Level 2 Basic	Level 3 Proficient	Goal Range	
				Level 4 Goal	Level 5 Advanced
Mathematics	100–190	191–220	221–259	260–289	290–400
Science	100–189	190–214	215–264	265–294	295–400
Reading Across the Disciplines	100–173	174–204	205–250	251–282	283–400
Writing Across the Disciplines	100–181	182–209	210–249	250–285	286–400

