



## MAP<sup>2</sup>D Pacing Guide 2011-2012

SUBJECT TO CHANGE

**Description:** The MAP<sup>2</sup>D Pacing Guide was created to help teachers address the California Mathematics Standards for the grade level. This is a *suggested* pacing. Teachers may spend more or less time on each lesson and reorder units within a trimester depending on their students' needs. The pacing is intended to be used with a 90 minute math program: 60 minutes is spent on content and 30 minutes is dedicated to practicing the math facts using “It’s All About the Facts”.

**Key Standards:** The standards are sequenced to be taught before the state test. The following acronyms are used in this document:

NS: Number Sense

AF: Algebra and Functions

MG: Measurement and Geometry

SDAP: Statistics, Data Analysis and Probability

**Assessments:** Trimester exams need to be given during the “testing windows” indicated on the pacing guide. Teachers may give the Standards Based Assessment (SBA) at any time during the current trimester based on student readiness.

**Resources:** Page numbers of the student text and student resource books (3 in 1 Practice Book and Success with the Math Standards) are listed for easy planning. Lessons with Instructional Strategy Slides to be referenced are indicated with an asterisk (\*). Supplemental lessons are available on the Intranet under the Instructional Tools button.

## Grade 5 MAP<sup>2</sup>D Pacing Track B Schedule 2011-2012

**TRIMESTER 1** \*\*This pacing does not reflect furlough days\*\*

**Problem of the Day: Word Problems using MAP<sup>2</sup>D Strategy (UPS: Understand – Plan - Solve)**

<b>September 7 – 9</b>	<b>Pre- Assessments:</b>
	❖ Administer Trimester One Practice Exam
	❖ Give “It’s All About the Facts” Diagnostics

<b>September 12 – 30</b>	<b>Chapters 1, 2, 11 and 14</b>	<b>Place Value/Addition &amp; Subtraction</b>
<b>Instructional Days: 15</b>	<b>Number of Lessons: 9</b>	<b>(On-going math facts review)</b>

CA Standards	Lesson #'s	Content	Page Numbers	3 in 1 Practice Book
NS 1.1	<b>1.1</b>	Place Value Through Billions	pgs. 4-10	RW 1 PW 1
	2.1	*Decimal Place Value	pgs. 38-39	RW 9 PW 9
	2.2	Model Thousandths	pgs. 40-41	RW 10 PW 10
NS 1.5	2.5	Compare and Order Decimals (Number Line)	pgs. 46-47, H6	RW 13 PW 13
NS 1.1	1.3	*Round Whole Numbers	pgs. 12-13	RW 3 PW 3
	<b>11.1</b>	*Round Decimals	pgs. 272-273	RW 67 PW 67
NS 2.1	<b>11.2</b>	*Add and Subtract Decimals	pgs. 274-276, H8	RW 68 PW 68
AF 1.2	<b>1.7</b>	*Addition and Subtraction Expressions (Order of Operations, Use Instructional Strategies)	pgs. 22-24	RW 7 PW 7
	14.3	Write Equations (Add and Subt. Only)	pgs. 352-353	RW 88 PW 88
	<b>14.4</b>	*Solve Equations (Add and Subt. Only)	pgs. 354-355	RW 89 PW 89

*Give Standards Based Assessment #1: NS/AF: Place Value/Addition and Subtraction*

<b>October 3 - 28</b>	<b>Chapters 4, 12 - 14</b>	<b>Multiplication &amp; Division/Algebra</b>
<b>Instructional Days: 20</b>	<b>Number of Lessons: 12</b>	<b>(On-going math facts review)</b>

CA Standards	Lesson #'s	Content	Page Numbers	3 in 1 Practice Book
NS 2.1	<b>12.5</b>	*Place the Decimal Point	pgs. 300-302, H9	RW 76 PW 76
	12.6	*Zeros in the Product	pgs. 304-305,	RW 77 PW 77
NS 2.2	4.2	Divide with 1-Digit Divisors	pgs. 88-90	RW 23 PW 23
	4.5	*Divide by 2-Digit Divisors	pgs. 96-98, H13	RW 26 PW 26

\*Indicates MAP<sup>2</sup>D Instructional Strategies Available  
**Bold type** indicates lesson materials posted on MAP<sup>2</sup>D Intranet

NS 2.2	13.3	*Divide Decimals by Whole Numbers	pgs. 320-322, H9, H12	RW 81 PW 81
NS 2.1	13.6	*Division of Decimals by Decimals	pgs. 328-330	RW 84 PW 84
AF 1.2	4.9	Multiplication & Division Expressions	pgs. 106-107	RW 30 PW 30
AF 1.2	14.1	Write Expressions	pgs. 346-347	RW 86 PW 86
AF 1.2	14.2	*Evaluate Expressions (Order of Operations)	pgs. 348-350, H16	RW 87 PW 87
	14.3	Write Equations (Mult. And Div. Only)	pgs. 352-353	RW 88 PW 88
	14.4	*Solve Equations (Mult. And Div. Only)	pgs. 354-356	RW 89 PW 89
AF 1.3	<b>14.5</b>	*Use the Distributive Property	pgs. 358-359	RW 90 PW 90

*Give Standards Based Assessment #2: NS/AF: Multiplication and Division/Algebra*

<b>October 31 – December 2</b>	<b>Chapters 5 - 9</b>	<b>Fractions – Addition and Subtraction</b>
<b>Instructional Days: 22</b>	<b>Number of Lessons: 13</b>	<b>(On-going math facts review)</b>

*Re-administer Trimester 1 Practice Exam Week of November 21*

CA Standards	Lesson #'s	Content	Page Numbers	<u>3 in 1 Practice Book</u>
NS 1.3	5.4	Exponents and Square Numbers	pgs. 128-130	RW 34 PW 34
NS 1.4	5.1	Prime & Composite Numbers	pgs. 120-121	RW 31 PW 31
	5.5	*Prime Factorization	pgs. 132-134 , H5	RW 35 PW 35
NS 1.5	6.1	*Equivalent Fractions (Number Line)	pgs. 144-145	RW 36 PW 36
NS 2.3	6.2	*Simplest Form	pgs. 146-148	RW 37 PW 37
NS 1.5	6.3	*Understand Mixed Numbers (Number Line)	pgs. 150-151	RW 38 PW 38
NS 1.2	6.6	*Relate Fractions and Decimals	pgs. 160-161	RW 41 PW 41
NS 1.5	6.7	*Use a Number Line	pgs. 162-163, H6	RW 42 PW 42
NS 2.3	<b>7.2</b>	*Add and Subtract Like Fractions	pgs. 178-179	RW 44 PW 44
	<b>7.3</b>	Add and Subtract Mixed Numbers	pgs. 180-183	RW 45 PW 45
	<b>8.4</b>	*Use Common Denominators	pgs. 204-206	RW 51 PW 51
NS 2.3	<b>8.5</b>	*Add and Subtract Fractions	pgs. 208-209	RW 52 PW 52
	<b>9.3</b>	Record Addition and Subtraction	pgs. 224-225	RW 56 PW 56
	7.4	*Subtraction with Renaming (Like Denom)	pgs. 184-185	RW 46 PW 46
	<b>9.4</b>	*Subtraction with Renaming (Unlike Denom)	pgs. 226-227, H14 - 15	RW 57 PW 57

*Give Standards Based Assessment #3: NS: Fractions – Addition and Subtraction*

**December 5 - 9: Review and Administer Trimester 1 Exam (20 items)**

## TRIMESTER TWO

**Problem of the Day: Review of Tri 1 Content (Use Item Analysis Grid to select POD problems)**

### *Administer Trimester 2 Practice Exam*

<b>January 9 – 27</b>	<b>Chapter 10</b>	<b>Multiply and Divide Fractions</b>
<b>Instructional Days: 14</b>	<b>Number of Lessons: 6</b>	<b>(On-going math facts review)</b>

CA Standards	Lesson #'s	Content	Page Numbers	<u>3 in 1 Practice Book</u>
NS 2.4, 2.5	<b>10.2</b>	*Record Multiplication of Fractions	pgs. 240-241	RW 60 PW 60
NS 2.4, 2.5	10.3	*Multiply Fractions and Whole Numbers	pgs. 242-243	RW 61 PW 61
	<b>10.4</b>	*Multiply with Mixed Numbers	pgs. 244-246	RW 62 PW 62
	<b>10.5</b>	Model Fraction Division	pgs. 248-249	RW 63 PW 63
NS 2.4, 2.5	<b>10.6</b>	*Divide Whole Numbers by Fractions	pgs. 250-252	RW 64 PW 64
	10.7	*Divide Fractions	pgs. 254-256	RW 65 PW 65

*Give Multiply and Divide Fractions Quiz (Located on Intranet “Instructional Tools” – Quizzes)*

<b>January 30 – February 10</b>	<b>Chapter 16</b>	<b>Percent</b>
<b>Instructional Days: 10</b>	<b>Number of Lessons: 5</b>	<b>(On-going math facts review)</b>

CA Standards	Lesson #'s	Content	Page Numbers	<u>3 in 1 Practice Book</u>
NS 1.2	16.1	Understand Percent	pgs. 404-405, H2	RW 100 PW 100
	<b>16.2</b>	*Fractions, Decimals, and Percents	pgs. 406-408, H3	RW 101 PW 101
NS 1.5	16.3	Use a Number Line	pgs. 410-411	RW 102 PW 102
NS 1.2	<b>16.5</b>	*Percent Problems	pgs. 414-416, H4	RW 104 PW 104
SDAP 1.3	16.7	Compare Data Sets	pgs. 422-423	RW 106 PW 106

*Give Standards Based Assessment #4: NS: Percents and Fractions*

<b>February 14 – March 9</b>	<b>Chapters 17 – 18 and 20 – 22</b>	<b>Measurement and Geometry</b>
<b>Instructional Days: 18</b>	<b>Number of Lessons: 14</b>	<b>(On-going math facts review)</b>

CA Standards	Lesson #'s	Content	Page Numbers	<u>3 in 1 Practice Book</u>
MG 2.1	17.1	Points, Lines, and Angles	pgs. 436-437, H26 - 27	RW 107 PW 107
	<b>17.2</b>	Measure and Draw Angles	pgs. 440-442, H26 - 27	RW 108 PW 108

\*Indicates MAP<sup>2</sup>D Instructional Strategies Available  
**Bold type** indicates lesson materials posted on MAP<sup>2</sup>D Intranet

MG 2.2	17.5	*Sum of the Angles	pgs. 448-449	RW 111 PW 111
	18.1	*Triangles (Find the Unknown Angle)	pgs. 468-471, H28	RW 116 PW 116
	18.2	*Quadrilaterals (Find the Unknown Angle)	pgs. 472-474, H29	RW 117 PW 117
MG 2.3	18.4	Solid Figures	pgs. 478-480	RW 119 PW 119

**Option 1: Give Standards Based Assessment #5: MG: Measurement and Geometry #'s 1- 10 ONLY**

**Option 2: Wait to administer SBA #5 after the entire unit is covered**

MG 1.4	20.3	*Find Perimeter	pgs. 530-531	RW 131 PW 131
	<b>20.4</b>	*Perimeter Formulas	pgs. 532-533	RW 132 PW 132
	<b>21.2</b>	*Area of Rectangles	pgs. 548-550	RW 136 PW 136
MG 1.1	21.5	Model Area of Triangles	pgs. 558-559	RW 138 PW 139
	<b>21.6</b>	*Area of Triangles	pgs. 560-561, H20 - 21	RW 140 PW 140
	<b>21.7</b>	*Area of Parallelograms	pgs. 562-564, H20 - 21	RW 141 PW 141
MG 1.2	<b>22.1</b>	*Surface Area	pgs. 574-575, H22 - 23	RW 142 PW 142
MG 1.3	<b>22.3</b>	*Find Volume	pgs. 578-579, H24 - 25	RW 144 PW 144

**Option 1: Give Standards Based Assessment #5: MG: Measurement and Geometry #'s 11 – 20 now**

**Option 2: Administer SBA #5: MG: Measurement and Geometry**

<b>March 12 – 23</b>	<b>Chapter 15</b>	<b>Integers</b>
<b>Instructional Days: 10</b>	<b>Number of Lessons: 6</b>	<b>(On-going math facts review)</b>

*Re-administer Trimester 2 Practice Exam Week of March 12*

CA Standards	Lesson #'s	Content	Page Numbers	3 in 1 Practice Book
NS 1.5	<b>15.1</b>	*Understand Integers (Number Line)	pgs. 376-378, H7	RW 93 PW 93
	<b>15.2</b>	*Compare and Order Integers (Number Line)	pgs. 380-382	RW 94 PW 94
NS 2.1	15.3	*Model Integer Addition	pgs. 384-385, H10	RW 95 PW 95
NS 2.1	<b>15.4</b>	*Record Integer Addition	pgs. 386-387	RW 96 PW 96
NS 2.1	15.5	*Model Integer Subtraction	pgs. 388-389, H11	RW 97 PW 97
NS 2.1	<b>15.6</b>	*Record Integer Subtraction	pgs. 390-393	RW 98 PW 98

*Give Standards Based Assessment #6: NS: Integers*

**March 26 – 30 Review and Administer Trimester 2 Exam (25 items)**

### TRIMESTER THREE

**Problem of the Day: Review of Tri 1 and Tri 2 Content (Use Item Analysis Grids to select POD problems)**

**Resource: HSP Success with the Math Standards**

*Administer Trimester 3 Practice Exam*

<b>May 3 – 18</b>	<b>Chapters 1, 4, 14, and 19</b>	<b>Geometry and the Coordinate Plane</b>
<b>Instructional Days: 12</b>	<b>Number of Lessons: 7</b>	<b>(On-going math facts review)</b>

CA Standards	Lesson #'s	Content	Page Numbers	3 in 1 Practice Book
SDAP 1.5	19.1	Graph Ordered Pairs	pgs. 498-499, H31	RW 123 PW 123
AF 1.4	19.3	Graph Integers on the Coordinate Plane	pgs. 502-503, H17	RW 125 PW 125
Gr. 6 NS 2.3	posted	*Multiply & Divide Integers	Use District Integer Assessments located on Internet: Math Curriculum Website ~ Assessment ~ Integers	
AF 1.5	<b>19.4</b>	*Linear Functions	pgs. 504-505, H18 - 19	RW 126 PW 126
	<b>19.5</b>	*Write and Graph Equations	pgs. 506-508, H18 - 19	RW 127 PW 127
AF 1.2	<b>1.7, 4.9</b>	*Expressions Review	pgs. 22-24, 106-107, H16	RW 7, 30 PW 7, 30
	14.2	*Evaluate Expressions (Order of Operations)	pgs. 348-350, H16	RW 87 PW 87

*Give Standards Based Assessment #7: AF: Coordinate Plane and Algebra Review*

<b>May 21 – 30</b>	<b>Chapters 23 - 24</b>	<b>Analyze Data</b>
<b>Instructional Days: 7</b>	<b>Number of Lessons: 5</b>	<b>(On-going math facts review)</b>

CA Standards	Lesson #'s	Content	Page Numbers	3 in 1 Practice Book
SDAP 1.1	<b>23.2</b>	*Find the Mean	pgs. 602-603	RW 148 PW 148
	<b>23.3</b>	*Find the Median and Mode	pgs. 604-605	RW 149 PW 149
AF 1.1	23.5	Analyze Graphs	pgs. 608-610, 641-643	RW 151 PW 151
SDAP 1.2	24.1	Make Histograms	pgs. 624-625	RW 153 PW 153
SDAP 1.4	24.3	Make Line Graphs	pgs. 628-630, H30	RW 155 PW 155

*Give Standards Based Assessment #8: SDAP: Analyze Data*

<b>May 31 – June 8</b>	<b>Chapters 6, 8 – 10</b>	<b>Fraction Review</b>
<b>Instructional Days: 7</b>	<b>Number of Lessons: 4</b>	<b>(On-going math facts review)</b>

CA Standards	Lesson #'s	Content	Page Numbers	3 in 1 Practice Book
NS 2.3	<b>8.5</b>	*Add and Subtract Fractions	pgs. 208-209, H14-H15	RW 52 PW 52 SR 7, 8
	<b>9.3</b>	*Record Addition and Subtraction	pgs. 224-225, H14-H15	RW 56 PW 56 SR 9
	7.4	*Subtraction with Renaming (Like Denom)	pgs. 184-185	RW 46 PW 46
	9.4	*Subtraction with Renaming (Unlike Denom)	pgs. 226-227	RW 57 PW 57
NS 2.4, 2.5	<b>10.2</b>	*Record Multiplication of Fractions	pgs. 240-241	SR 10 SR 18 SR 34
	10.6	*Divide Whole Numbers by Fractions	pgs. 250-251	RW 64 PW 64
	<b>10.7</b>	Divide Fractions	pgs. 254-256	RW 65 PW 65

*Give Standards Based Assessment #9: NS: Fraction Review*

June 11 - 22	Standards Review Week		3 in 1 Practice Book
Number Sense	Use <b>Success with the Math Standards</b> pgs. 45 - 58	These are suggested pages. Pages that are not used during this time can be used at the end of the school year.	SR 1
Algebra and Functions	Use <b>Success with the Math Standards</b> pgs. 65 - 72		SR 2
Measurement and Geometry	Use <b>Success with the Math Standards</b> pgs. 73 - 84		SR 3
Statistics, Data Analysis, Probability	Use <b>Success with the Math Standards</b> pgs. 93 - 96		SR 4

**June 11 – 22 CST Testing**  
(Check Testing Schedule for Official STAR Testing Dates)

<b>June 25 – July 6</b>	<b>Trimester Three Review</b>	
<b>Instructional Days: 9</b>	<b>Number of Lessons: 5</b>	<b>(On-going math facts review)</b>

CA Standards	Lesson #'s	Content	Page Numbers	3 in 1 Practice Book
AF 1.4	<b>19.3</b>	Graph Integers on the Coordinate Plane	pgs. 502-503, H17, H31	SR 5, 20
AF 1.5	<b>19.4</b>	*Linear Functions	pgs. 504-505, H18-H19	SR 7, 19, 32
	<b>19.5</b>	*Write and Graph Equations	pgs. 506-508, H18-H19	SR 21, 22, 34, 35
SDAP 1.1	23.2	*Find the Mean	pgs. 602-603	SR 8, 23
	23.3	Find the Median and Mode	pgs. 604-605	SR 17, 31
AF 1.1	23.5	Analyze Graphs	pgs. 608-610, 641-643	SR 9, 14, 18, 24, 26

**July 9 – 13 Review and Administer Trimester 3 Exam (30 items)**

\*Indicates MAP<sup>2</sup>D Instructional Strategies Available  
**Bold type** indicates lesson materials posted on MAP<sup>2</sup>D Intranet

<b>July 16 - 25</b>	<b>Enrichment Lessons</b>	<b>Grade 6 Prep</b>
<b>Instructional Days: 8</b>	<b>Number of Lessons: 4</b>	<b>(On-going math facts review)</b>

<b>CA Standards</b>	<b>Lesson #'s</b>	<b>Content</b>	<b>Page Numbers</b>	<b><u>3 in 1 Practice Book</u></b>
MG 2.0	17.7	*Circles	pgs. 452-453	RW 113 PW 113
Gr. 6 MG 1.1	Instructional Strategies	*Find the Circumference of a Circle		
NS 2.1	15.3	*Adding Integers	Pgs. H10 - H11 Use District Integer Assessments located on Internet: Math Curriculum Website ~ Assessment ~ Integers	SR 15
	15.5	*Subtracting Integers		SR 11
Gr. 6 NS 2.3	posted	*Multiplying Integers		SR 12
		*Dividing Integers		SR 13

CALIFORNIA CONTENT STANDARDS: GRADE 5	# of Items on CST	Trimester and SBA
<b>By the end of grade five, students increase their facility with the four basic arithmetic operations applied to fractions, decimals, and positive and negative numbers. They know and use common measuring units to determine length and area and know and use formulas to determine the volume of simple geometric figures. Students know the concept of angle measurement and use a protractor and compass to solve problems. They use grids, tables, graphs, and charts to record and analyze data.</b>		
<b>Number Sense</b>	<b>29</b>	
<b>Standard Set 1.0 Students compute with very large and very small numbers, positive integers, decimals, and fractions and understand the relationship between decimals, fractions, and percents. They understand the relative magnitudes of numbers:</b>		
1.1* Estimate, round, and manipulate very large (e.g., millions) and very small (e.g., thousandths) numbers.	<b>1</b>	<b>Tri 1 SBA 1</b>
1.2* Interpret percents as a part of a hundred; find decimal and percent equivalents for common fractions and explain why they represent the same value; compute a given percent of a whole number.	<b>5</b>	<b>Tri 1 SBA 3 Tri 2 SBA 4</b>
1.3 Understand and compute positive integer powers of nonnegative integers; compute examples as repeated multiplication.	<b>1</b>	<b>Tri 1 SBA 3</b>
1.4* Determine the prime factors of all numbers through 50 and write the numbers as the product of their prime factors by using exponents to show multiples of a factor (e.g., $24 = 2 \times 2 \times 2 \times 3 = 2^3 \times 3$ ).	<b>3</b>	<b>Tri 1 SBA 3</b>
1.5* Identify and represent on a number line decimals, fractions, mixed numbers, and positive and negative integers.	<b>2</b>	<b>Tri 1 SBA 1 Tri 1 SBA 3 Tri 2 SBA 4 Tri 2 SBA 6</b>
<b>Standard Set 2.0 Students perform calculations and solve problems involving addition, subtraction, and simple multiplication and division of fractions and decimals:</b>		
2.1* Add, subtract, multiply, and divide with decimals; add with negative integers; subtract positive integers from negative integers; and verify the reasonableness of the results.	<b>7</b>	<b>Tri 1 SBA 2 Tri 2 SBA 6</b>
2.2* Demonstrate proficiency with division, including division with positive decimals and long division with multidigit divisors.	<b>3</b>	<b>Tri 1 SBA 1 Tri 1 SBA 2</b>
2.3* Solve simple problems, including ones arising in concrete situations, involving the addition and subtraction of fractions and mixed numbers (like and unlike denominators of 20 or less), and express answers in the simplest form.	<b>5</b>	<b>Tri 1 SBA 3 Tri 3 SBA 9</b>
2.4* Understand the concept of multiplication and division of fractions.	<b>1</b>	<b>Tri 2 SBA 4 Tri 3 SBA 9</b>
2.5* Compute and perform simple multiplication and division of fractions and apply these procedures to solving problems.	<b>1</b>	<b>Tri 2 SBA 4 Tri 3 SBA 9</b>
<b>Algebra and Functions</b>	<b>17</b>	
<b>Standard Set 1.0 Students use variables in simple expressions, compute the value of the expression for</b>		

\*Key Standards comprise a minimum of 70% of the test

\*\*Fractional values indicate rotated standards (e.g. ½ = rotated every two years; 1/3=rotated every 3 years)

<b>CALIFORNIA CONTENT STANDARDS: GRADE 5</b>		<b># of Items on CST</b>	<b>Trimester and SBA</b>
<b>specific values of the variable, and plot and interpret the results:</b>			
1.1	Use information taken from a graph or equation to answer questions about a problem situation.	<b>1</b>	<b>Tri 3 SBA 8</b>
1.2*	Use a letter to represent an unknown number; write and evaluate simple algebraic expressions in one variable by substitution.	<b>6</b>	<b>Tri 1 SBA 1 Tri 1 SBA 2 Tri 3 SBA 7</b>
1.3*	Know and use the distributive property in equations and expressions with variables.	<b>1</b>	<b>Tri 1 SBA 2</b>
1.4*	Identify and graph ordered pairs in the four quadrants of the coordinate plane.	<b>4</b>	<b>Tri 3 SBA 7</b>
1.5*	Solve problems involving linear functions with integer values; write the equation; and graph the resulting ordered pairs of integers on a grid.	<b>5</b>	<b>Tri 3 SBA 7</b>
<b>Measurement and Geometry</b>		<b>15</b>	
<b>Standard Set 1.0 Students understand and compute the volumes and areas of simple objects:</b>			
1.1*	Derive and use the formula for the area of a triangle and of a parallelogram by comparing it with the formula for the area of a rectangle (i.e., two of the same triangles make a parallelogram with twice the area; a parallelogram is compared with a rectangle of the same area by cutting and pasting a right triangle on the parallelogram).	<b>2 1/2**</b>	<b>Tri 2 SBA 5</b>
1.2*	Construct a cube and rectangular box from two-dimensional patterns and use these patterns to compute the surface area for these objects.	<b>1/2**</b>	<b>Tri 2 SBA 5</b>
1.3*	Understand the concept of volume and use the appropriate units in common measuring systems (i.e., cubic centimeter[cm <sup>3</sup> ], cubic meter[m <sup>3</sup> ], cubic inch[in <sup>3</sup> ], cubic yard[yd <sup>3</sup> ]) to compute the volume of rectangular solids.	<b>3</b>	<b>Tri 2 SBA 5</b>
1.4	Differentiate between and use appropriate units of measures for, two- and three- dimensional objects (i.e., find perimeter, area, volume).	<b>1</b>	<b>Tri 2 SBA 5</b>
<b>Standard Set 2.0 Students identify, describe, and classify the properties of, and the relationships between, plane and solid geometric figures:</b>			
2.1*	Measure, identify, and draw angles, perpendicular and parallel lines, rectangles, and triangles by using appropriate tools (e.g., straightedge, ruler, compass, protractor, drawing software).	<b>3</b>	<b>Tri 2 SBA 5</b>
2.2*	Know that the sum of the angles of any triangle is 180° and the sum of the angles of any quadrilateral is 360° and use this information to solve problems.	<b>4</b>	<b>Tri 2 SBA 5</b>
2.3	Visualize and draw two-dimensional views of three-dimensional objects made from rectangular solids.	<b>1</b>	<b>Tri 2 SBA 5</b>
<b>Statistics, Data Analysis, and Probability</b>		<b>4</b>	
<b>Standard Set 1.0 Students display, analyze, compare, and interpret different data sets, including data sets of different sizes:</b>			
1.1*	Know the concepts of mean, median, and mode; compute and compare simple examples to show that they may differ.	<b>1/3**</b>	<b>Tri 3 SBA 8</b>

\*Key Standards comprise a minimum of 70% of the test

\*\*Fractional values indicate rotated standards (e.g. 1/2 = rotated every two years; 1/3=rotated every 3 years)

<b>CALIFORNIA CONTENT STANDARDS: GRADE 5</b>		<b># of Items on CST</b>	<b>Trimester and SBA</b>
1.2	Organize and display single-variable data in appropriate graphs and representations (e.g., histogram, circle graphs) and explain which types of graphs are appropriate for various data sets.	1/3**	Tri 3 SBA 8
1.3	Use fractions and percentages to compare data sets of different sizes.	1/3**	Tri 2 SBA 4
1.4*	Identify ordered pairs of data from a graph and interpret the meaning of the data in terms of the situation depicted by the graph.	2 1/2**	Tri 3 SBA 8
1.5*	Know how to write ordered pairs correctly; for example, (x, y).	1/2**	Tri 3 SBA 7
<b>Mathematical Reasoning</b>		<b>Embedded</b>	
<b>Standard Set 1.0 Students make decisions about how to approach problems:</b>			
1.1	Analyze problems by identifying relationships, distinguishing relevant from irrelevant information, sequencing and prioritizing information, and observing patterns.	<b>Embedded</b>	
1.2	Determine when and how to break a problem into simpler parts.	<b>Embedded</b>	
<b>Standard Set 2.0 Students use strategies, skills, and concepts in finding solutions:</b>			
2.1	Use estimation to verify the reasonableness of calculated results.	<b>Embedded</b>	
2.2	Apply strategies and results from simpler problems to more complex problems.	<b>Embedded</b>	
2.3	Use a variety of methods, such as words, numbers, symbols, charts, graphs, tables, diagrams, and models, to explain mathematical reasoning.	<b>Embedded</b>	
2.4	Express the solution clearly and logically by using the appropriate mathematical notation and terms and clear language; support solutions with evidence in both verbal and symbolic work.	<b>Embedded</b>	
2.5	Indicate the relative advantages of exact and approximate solutions to problems and give answers to a specified degree of accuracy.	<b>Embedded</b>	
2.6	Make precise calculations and check the validity of the results from the context of the problem.	<b>Embedded</b>	
<b>Standard Set 3.0 Students move beyond a particular problem by generalizing to other situations:</b>			
3.1	Evaluate the reasonableness of the solution in the context of the original situation.	<b>Embedded</b>	
3.2	Note the method of deriving the solution and demonstrate a conceptual understanding of the derivation by solving similar problems.	<b>Embedded</b>	
3.3	Develop generalizations of the results obtained and apply them in other circumstances.	<b>Embedded</b>	
<b>GRADE 5 TOTAL</b>		<b>65</b>	

\*Key Standards comprise a minimum of 70% of the test

\*\*Fractional values indicate rotated standards (e.g. 1/2 = rotated every two years; 1/3=rotated every 3 years)