



MAP²D Pacing Guide 2011-2012

SUBJECT TO CHANGE

Description: The MAP²D 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 3 MAP²D Pacing Traditional Schedule 2011 – 2012

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

Problem of the Day: Word Problems using MAP²D strategy (UPS: Understand – Plan - Solve)

September 7 – 9	Pre- Assessments:
	❖ Administer Trimester 1 Practice Exam
	❖ Give “It’s All About the Facts” Diagnostics

September 12– 27	Chapters 1 and 2	Place Value
Instructional Days: 12	Number of Lessons: 8	(On-going math facts review)

CA Standards	Lesson #'s	Content	Page Numbers	3 in 1 Practice Book
NS 1.1, 1.3	1.2	*Place Value to 1,000	pgs. 6 - 7	RW 2 PW 2
NS 1.1, 1.3	1.3	*Place Value to 10,000	pgs. 8 – 11 or H2	RW 3 PW 3
NS 1.5	1.4	*Expanded Form	pgs. 12 – 13 or H3	RW 4 PW 4
NS 1.2	2.1	*Compare Numbers	pgs. 26 - 28	RW 6 PW 6
NS 1.2	2.2	*Order Numbers	pgs. 30 - 31	RW 7 PW 7
NS 1.4	2.4	*Round to nearest Ten	pgs. 34 - 35	RW 9 RW 9
NS 1.4	2.5	*Round to nearest Hundred	pgs. 36 - 37	RW 10 PW 10
NS 1.4	2.6	*Round to nearest Thousand	pgs. 38 - 39	RW 11 PW 11

Give Standards Based Assessment #1: NS: Place Value

Sept. 28 – Oct. 19	Chapters 3, 4, and 22	Addition and Subtraction
Instructional Days: 16	Number of Lessons: 11	(On-going math facts review)

CA Standards	Lesson #'s	Content	Page Numbers	3 in 1 Practice Book
NS 2.1	3.1	Addition Properties	pgs. 48 - 49	RW 12 PW 12
AF 1.2	3.2	*Missing Addends	pgs. 50 - 51	RW 13 PW 13
NS 2.1	3.4, 3.6	Add with Regrouping 3 & 4 Digit Numbers	pgs. 54 - 55, 58 – 59 or H4	RW 15, 17 PW 15, 17

*Indicates MAP²D Instructional Strategies Available

Bold type indicates lesson materials on MAP²D Intranet

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NS 3.3	22.4	Add Money Amounts	pgs. 526 – 527 I or H14	RW 129 PW 129
NS 2.1	4.2, 4.3	Subt. w/Regrouping & Model 3-Digit Subt.	pgs. 74 - 75, 76 - 77	RW 20 PW 20
NS 2.1	4.4	Subtract 3- and 4- Digit Numbers	pgs. 78 – 79 or H5	RW 22 PW 22
NS 2.1	4.5	Subtract Across Zeros	pgs.80 – 82	RW 23 PW 23
AF .1.1	4.6	Choose the Operation	pgs. 84 – 85	RW 24 PW 24
AF 2.2	4.7	*Number Patterns	pgs.86 – 87	RW 25 PW 25
NS 3.3	22.5	Subtract Money Amounts	pgs.528 – 529 or H14	RW 130 PW 130
NS 3.3	22.2	Model Making Change	pgs. 522 – 523	RW 127

Give Standards Based Assessment #2: NS/AF: Addition and Subtraction

October 20 – November 23	Chapter 5, 8, 15, and 16	Multiplication
Instructional Days: 24	Number of Lessons:12	(On-going math facts review)

** Use It's All About the Facts instructional strategies to guide students through multiplication

CA Standards	Lesson #'s	Content	Page Numbers	3 in 1 Practice Book
NS 2.3	5.1	Relate Addition to Multiplication	pgs. 102 - 103	RW 27 PW 27
NS 2.3	5.2	Model with Arrays	pgs. 104 - 107	RW 28 PW 28
AF 2.1	8.1	*Find a Rule	pgs. 172 – 173 or H18	RW 43 PW 43
AF 1.1	8.2	* Missing Factors	pgs. 174 – 175 or H8	RW 44 PW 44
AF 1.5	8.3	Multiply 3 Factors	pgs. 176 – 177	RW 45 PW 45
AF 1.5	8.4	*Multiplication Properties	pgs. 178 – 179	RW 46 PW 46
NS 2.8, AF 1.5	8.5	Multistep Word Problems	pgs. 180 – 181	RW 47 PW 47

Re-administer Trimester 1 Practice Exam Week of November 14

AF 1.1	11.7	Expressions/Equations(modify for multiplication)	pgs. 254-255	RW 65 PW 65
NS 2.4	15.5, 15.6	Multiply 2-Digit Numbers, Problem Solving	pgs. 354 – 355, 356-359	RW 88 PW 88
NS 2.4	16.3	Multiply 3-Digit Numbers	pgs. 372 – 373	RW 92 PW 92
NS 2.4	16.4	Multiply 4-Digit Numbers	pgs. 374 – 375 or H11	RW 93 PW 93
NS 3.3	16.5	Multiply Money Amounts	pgs. 376–377 or H15(multiplication)	RW 94 PW 94

Give Standards Based Assessment #3: NS/AF: Multiplication

November 28 – December 2

Review and Administer Trimester 1 Exam (20 items)

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TRIMESTER 2

POD: Review of Tri 1 content (Use Item Analysis Grid to select POD problems)

Administer Trimester 2 Practice Exam

December 5 –23	Chapters 18, 19 & 20	Fractions and Decimals
Instructional Days: 15	Number of Lessons: 9	(On-going math facts review)

CA Standards	Lesson #'s	Content	Page Numbers	3 in 1 Practice Book
NS 3.1	18.1	Model Parts of a Whole	pgs. 412 - 415	RW 102 PW 102
NS 3.1	18.2	*Model Part of a Group	pgs. 416 - 419	RW 103 PW 103
NS 3.1	18.3	*Equivalent Fractions	pgs. 420 - 422	RW 104 PW 104
NS 3.1	18.4	*Compare and Order Fractions	pgs. 424 - 427	RW 105 PW 105
NS 3.2	19.1	*Add like Fractions	pgs. 440 – 441 or H12	RW 107 PW 107
NS 3.2	19.3	*Subtract like Fractions	pgs. 444 – 445 or H13	RW 109 PW 109
NS 3.4	20.1	*Model Tenths	pgs. 458 - 461	RW 112 RW 112
NS 3.4	20.2	*Model Hundredths	pgs. 462 – 463	RW 113 PW 113
NS 3.4	20.4	*Relate Fractions, Decimals, and Money	pgs. 466 – 469	RW 115 PW 115

Give Standards Based Assessment #4: NS: Fractions and Decimals

January 9 – February 10	Chapters 9, 11 & 17	Division
Instructional Days: 24	Number of Lessons: 8	(On-going math facts review)

****Use It's All About the Facts instructional strategies to guide students through the HSP Math Book for Chapters 9, 11, 17**

CA Standards	Lesson #'s	Content	Page Numbers	3 in 1 Practice Book
NS 2.3	9.1	Division	pgs. 194 - 195	RW 48 PW 48
NS 2.3	9.4	Multiplication and Division	pgs. 200 – 201	RW 51 PW 51
NS 2.3	9.5	Fact Families	pgs. 202 - 204	RW 52 PW 52
NS 2.7	11.6	Find the Cost	pgs. 252 - 253	RW 64 PW 64
AF 1.1	11.7	Expressions and Equations	pgs. 254 - 255	RW 65 PW 65

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**** Move on when students have mastered division facts****

NS 2.5	17.1	*Model 2-Digit Division	pgs. 386 - 387	RW 95 PW 95
NS 2.5	17.4	*Divide 2- and 3-Digit Numbers	pgs. 392 - 393	RW 98 PW 98
NS 3.3	17.6	*Divide Money Amounts	pgs. 396 – 397 or H15(division)	RW 100 PW 100

Give Standards Based Assessment #5: NS: Division

****You may administer the Standards Based Assessment for Division at any point during Trimester 2****

February 14 – March 9	Chapter 22	Money and Time
Instructional Days: 18	Number of Lessons: 9	(On-going math facts review)

Re-administer Trimester 2 Practice Exam Week February 27

CA Standards	Lesson #'s	Content	Page Numbers	3 in 1 Practice Book
NS 3.3	22.2	Model Making Change	pgs. 522 – 523 Supplemental Lesson Online	PW 127
NS 3.3.	22.4 – 22.6	Problem Solving Money Amounts	pgs. 528 – 531 Supplemental Lesson Online	PW 22.4, 22.5, 22.6 RW 22.4, 22.5, 22.6
AF 1.1	22.4	Money Expressions	Supplemental Lesson Online	
AF 2.1, NS 2.8	22.4 -22.6 8.5	Multi-step Word Problems – Money	pgs. 180-181, 532 Supplemental Lesson Online	RW 47 PW 47
MG 1.4	22.7	Time Conversions (calendar and time)	Intranet-Instructional Tools Supplemental Lesson Online	RW 132 PW 132
NS 2.8	22.4 – 22.7	Multi-step Word Problems – Money/Time	Supplemental Lesson Online	PW 22.4, 22.5, 22.6 RW 22.4, 22.5, 22.6
MG 1.4	22.8	A.M. and P.M.	pgs. 538 - 539	RW 133 PW 133
MG 1.4	22.9	Model Elapsed Time	pgs. 540 - 541	RW 134 PW 134
MG 1.4	22.10	Use a Calendar	pgs. 544 - 545	RW 135 PW 135

Give Standards Based Assessment #6 NS/MG: Money and Time

March 12 -16

Administer Trimester 2 Exam (25 items)

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TRIMESTER 3

POD: Review of Tri 1 and Tri 2 content (Use Item Analysis Grid to select POD problems)

Resources: HSP Success with the Math Standards

Administer Trimester 3 Practice Exam

March 19 – April 6	Chapters 12, 13 & 14	Geometry and Measurement
Instructional Days: 15	Number of Lessons: 11	(On-going math facts review)

CA Standards	Lesson #'s	Content	Page Numbers	3 in 1 Practice Book
MG 2.4	12.1, 12.2	*Line Segments and Angles; Types of Lines	pgs. 268 – 273	RW 66 PW 66 RW 67 PW 67
MG 2.1, 2.3	12.3, 12.6	*Identify Plane Figures, Compare Plane Figures	pgs. 274 – 275 pgs. 282 – 283	RW 68 PW 68 RW 71 PW 71
MG 2.2	12.4	Triangles	pgs. 276 – 277 or H26-27	RW 69 PW 69
MG 2.3	12.5	Quadrilaterals	pgs. 278 – 280 or H29	RW 70 PW 70
MG 2.5 2.6	13.1, 13.4	Identify Solid Figures Combine Solid Figures	pgs. 296 – 297 pgs. 304 – 305	RW 73 PW 73 RW 76 PW 76
MG 1.3	14.2	*Perimeter	pgs. H24 – H25	RW 79 PW 79
MG 1.2	14.3	Area of Plane Figures	pgs. 322 – 324, H20 – H21	RW 80 PW 80
MG 1.2	14.5	Estimate and Find Volume	pgs. 328 – 329, H22 – H23	RW 82 PW 82

Give Standards Based Assessment #7: MG: Geometry and Measurement

April 9 - 13 Spring Recess

April 16 – 24	Chapter 21	Data and Probability
Instructional Days: 7	Number of Lessons: 5	(On-going math facts review)

CA Standards	Lesson #'s	Content	Page Numbers	3 in 1 Practice Book
SDAP 1.3	21.1, 21.2	Record Outcomes and Make a Graph	pgs. 488 – 493	RW 118 PW 118
SDAP 1.3	21.6	Line Plots	pgs. 502 – 503 or H31	RW 123 PW 123
SDAP 1.1	21.3	Probability: Likelihood of Events	pgs. 494 – 495	RW 120 PW 120
SDAP 1.2	21.4	Possible Outcomes	pgs. 496 – 497 or H30	RW 121 PW 121

Give Standards Based Assessment #8: SDAP: Data and Probability

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Bold type indicates lesson materials on MAP²D Intranet

April 25 – May 4	Chapters 23 & 24	Measurement
Instructional Days: 8	Number of Lessons: 4	(On-going math facts review)

CA Standards	Lesson #'s	Content	Page Numbers	3 in 1 Practice Book
MG 1.1, 1.4	23.1	*Length	pgs. 560 – 561, 567	RW 137 PW 137
MG 1.1, 1.4, AF 1.5	23.4	*Capacity	pgs. 568 - 569	RW 140 PW 140
MG 1.1,1.4	23.5	Weight	pgs. 570 - 5 71	RW 141 PW 141
MG 1.4, AF 1.4	23.7	Rules for Changing Units	pgs. 574 - 575	RW 143 PW 143
MG 1.1, 1.4, AF 1.4	24.1	Length – Metric	pgs.588 – 589	RW 146 PW 146
MG 1.1, 1.4, AF 1.4	24.4	Capacity: Milliliter & Liter	pgs. 594 – 595	RW 149 PW 149
MG 1.1, 1.4, AF 1.4	24.5	Mass: Gram & Kilogram	pgs. 596 - 597	RW 150 PW 150

May 7 – 18	Standards Review Weeks		3 in 1 Practice Book
Number Sense	<u>Success with the Math Standards</u> pgs 47, 60, 71-74	Possible pages to use for the review are listed in the column to the left. Pages that are not used at this time can be used at the end of the year.	SR 1
Algebra and Functions	<u>Success with the Math Standards</u> pgs 77 - 78, 87 - 88		SR 2
Measurement and Geometry	<u>Success with the Math Standards</u> pgs. 93 - 96, 99 - 104		SR 3
Statistics, Data Analysis & Probability	<u>Success with the Math Standards</u> pgs. 113 - 116		SR 4

May 7– 18 CST Testing
(Check Testing Schedule for official STAR testing dates)

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May 21– 25	Chapters 23 & 24	Measurement
Instructional Days: 5	Number of Lessons: 7 review	(On-going math facts review)

CA Standards	Lesson #'s	Content	Page Numbers	3 in 1 Practice Book
MG 1.1, 1.4	23.1	*Length (Review)	pgs. 560 - 561	RW 137 PW 137
MG 1.1, 1.4, AF 1.5	23.4	*Capacity (Review)	pgs. 568 - 569	RW 140 PW 140
MG 1.1,1.4	23.5	Weight (Review)	pgs. 570 - 571	RW 141 PW 141
MG 1.4, AF 1.4	23.7	Rules for Changing Units (Review)	pgs. 574 - 575	RW 143 PW 143
MG 1.1, 1.4, AF 1.4	24.1	Length – Metric	pgs.588 – 589	RW 146 PW 146
MG 1.1, 1.4, AF 1.4	24.4	Capacity: Milliliter & Liter	pgs. 594 – 595	RW 149 PW 149
MG 1.1, 1.4, AF 1.4	24.5	Mass: Gram & Kilogram	pgs. 596 - 597	RW 150 PW 150

Give Standards Based Assessment #9: MG: Measurement

May 29– June 1

Review and Administer Trimester 3 Exam (30 items)

June 4- 14	Enrichment	Grade 4 Prep
Instructional Days: 9	Number of Lessons: 6	
NS 3.3	Multiply 2- and 3- Digit Numbers and Money	Use <u>It's All About the Facts</u>
NS 3.3	Divide Greater Numbers	
AF 1.0	Addition Properties	See MAP ² D Internet: Instructional Strategies: Trimester 1 - Grade 4
AF 1.2	Write and Evaluate Expressions	
AF 1.0	Expressions with Variables	
AF 1.1	Addition and Subtraction Equations	

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<i>CALIFORNIA CONTENT STANDARDS: GRADE 3</i>	# of Items on CST	Trimester and SBA
By the end of grade three, students deepen their understanding of place value and their understanding of and skill with addition, subtraction, multiplication, and division of whole numbers. Students estimate, measure, and describe objects in space. They use patterns to help solve problems. They represent number relationships and conduct simple probability experiments.		
Number Sense	32	
Standard Set 1.0 Students understand the place value of whole numbers:		
1.1 Count, read, and write whole numbers to 10,000.	1/2**	Tri 1 SBA 1
1.2 Compare and order whole numbers to 10,000.	1	Tri 1 SBA 1
1.3* Identify the place value for each digit in numbers to 10,000.	3	Tri 1 SBA 1
1.4 Round off numbers to 10,000 to the nearest ten, hundred, and thousand.	1/2**	Tri 1 SBA 1
1.5* Use expanded notation to represent numbers (e.g., $3,206 = 3,000 + 200 + 6$).	3	Tri 1 SBA 1
Standard Set 2.0 Students calculate and solve problems involving addition, subtraction, multiplication, and division:		
2.1* Find the sum or difference of two whole numbers between 0 and 10,000.	4	Tri 1 SBA 2
2.2* Memorize to automaticity the multiplication table for numbers between 1 and 10.	NA***	
2.3* Use the inverse relationship of multiplication and division to compute and check results.	3	Tri 2 SBA 5
2.4* Solve simple problems involving multiplication of multidigit numbers by one-digit numbers ($3,671 \times 3 = \underline{\quad}$).	5	Tri 1 SBA 3
2.5 Solve division problems in which a multidigit number is evenly divided by a one-digit number ($135 \div 5 = \underline{\quad}$).	1	Tri 2 SBA 5
2.6 Understand the special properties of 0 and 1 in multiplication and division.	1	
2.7 Determine the unit cost when given the total cost and number of units.	1	Tri 2 SBA 5
2.8 Solve problems that require two or more of the skills mentioned above.	1	
Standard Set 3.0 Students understand the relationship between whole numbers, simple fractions, and decimals:		
3.1 Compare fractions represented by drawings or concrete materials to show equivalency and to add and subtract simple fractions in context (e.g., $\frac{1}{2}$ of a pizza is the same amount as $\frac{2}{4}$ of another pizza that is the same size; show that $\frac{3}{8}$ is larger than $\frac{1}{4}$).	1	Tri 2 SBA 4
3.2* Add and subtract simple fractions (e.g., determine that $\frac{1}{8} + \frac{3}{8}$ is the same as $\frac{1}{2}$).	2	Tri 2 SBA 4
3.3* Solve problems involving addition, subtraction, multiplication, and division of money amounts in decimal notation and multiply and divide money amounts in decimal notation by using whole-number multipliers and divisors.	4	Tri 1 SBA 2 Tri 1 SBA 3 Tri 2 SBA 5 Tri 2 SBA 6

*Key standards comprise a minimum of 70% of the test

**Fractional values indicate rotated standards (e.g., $\frac{1}{2}$ = rotated every two years; $\frac{1}{3}$ = every three years)

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<i>CALIFORNIA CONTENT STANDARDS: GRADE 3</i>		# of Items on CST	Trimester and SBA
3.4	Know and understand that fractions and decimals are two different representations of the same concept (e.g., 50 cents is $\frac{1}{2}$ of a dollar, 75 cents is $\frac{3}{4}$ of a dollar).	1	Tri 2 SBA 4
Algebra and Functions		12	
Standard Set 1.0 Students select appropriate symbols, operations, and properties to represent, describe, simplify, and solve simple number relationships:			
1.1*	Represent relationships of quantities in the form of mathematical expressions, equations, or inequalities.	4	Tri 1 SBA 2 Tri 1 SBA 3 Tri 2 SBA 5
1.2	Solve problems involving numeric equations or inequalities.	1	Tri 1 SBA 2
1.3	Select appropriate operational and relational symbols to make an expression true (e.g., if $4 _ 3 = 12$, what operational symbol goes in the blank?).	1	Tri 3 SBA 9
1.4	Express simple unit conversions in symbolic form (e.g., $_ \text{ inches} = _ \text{ feet} \times 12$).	1	Tri 3 SBA 9
1.5	Recognize and use the commutative and associative properties of multiplication (e.g., if $5 \times 7 = 35$, then what is 7×5 ? and if $5 \times 7 \times 3 = 105$, then what is $7 \times 3 \times 5$?).	1	Tri 1 SBA 2 Tri 1 SBA 3
Standard Set 2.0 Students represent simple functional relationships:			
2.1*	Solve simple problems involving a functional relationship between two quantities (e.g., find the total cost of multiple items given the cost per unit).	3	Tri 1 SBA 3
2.2	Extend and recognize a linear pattern by its rules (e.g., the number of legs on a given number of horses may be calculated by counting by 4s or by multiplying the number of horses by 4).	1	Tri 1 SBA 3
Measurement and Geometry		16	
Standard Set 1.0 Students choose and use appropriate units and measurement tools to quantify the properties of objects:			
1.1	Choose the appropriate tools and units (metric and U.S.) and estimate and measure the length, liquid volume, and weight/mass of given objects.	1	Tri 3 SBA 9
1.2*	Estimate or determine the area and volume of solid figures by covering them with squares or by counting the number of cubes that would fill them.	3	Tri 3 SBA 7
1.3*	Find the perimeter of a polygon with integer sides.	3	Tri 3 SBA 7
1.4	Carry out simple unit conversions within a system of measurement (e.g., centimeters and meters, hours and minutes).	1	Tri 2 SBA 6 Tri 3 SBA 9

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<i>CALIFORNIA CONTENT STANDARDS: GRADE 3</i>	# of Items on CST	Trimester and SBA
Standard Set 2.0 Students describe and compare the attributes of plane and solid geometric figures and use their understanding to show relationships and solve problems:		
2.1* Identify, describe, and classify polygons (including pentagons, hexagons, and octagons).	2	Tri 3 SBA 7
2.2* Identify attributes of triangles (e.g., two equal sides for the isosceles triangle, three equal sides for the equilateral triangle, right angle for the right triangle).	2	Tri 3 SBA 7
2.3* Identify attributes of quadrilaterals (e.g., parallel sides for the parallelogram, right angles for the rectangle, equal sides and right angles for the square).	2	Tri 3 SBA 7
2.4 Identify right angles in geometric figures or in appropriate objects and determine whether other angles are greater or less than a right angle.	2/3**	Tri 3 SBA 7
2.5 Identify, describe, and classify common three-dimensional geometric objects (e.g., cube, rectangular solid, sphere, prism, pyramid, cone, cylinder).	2/3**	Tri 3 SBA 7
2.6 Identify common solid objects that are the components needed to make a more complex solid object.	2/3**	Tri 3 SBA 7
Statistics, Data Analysis, and Probability	5	
Standard Set 1.0 Students conduct simple probability experiments by determining the number of possible outcomes and make simple predictions:		
1.1 Identify whether common events are certain, likely, unlikely, or improbable.	1	Tri 3 SBA 8
1.2* Record the possible outcomes for a simple event (e.g., tossing a coin) and systematically keep track of the outcomes when the event is repeated many times.	2	
1.3* Summarize and display the results of probability experiments in a clear and organized way (e.g., use a bar graph or a line plot).	2	Tri 3 SBA 8
1.4 Use the results of probability experiments to predict future events (e.g., use a line plot to predict the temperature forecast for the next day).	NA***	
Mathematical Reasoning	Embedded	
Standard Set 1.0 Students make decisions about how to approach problems:		
1.1 Analyze problems by identifying relationships, distinguishing relevant from irrelevant information, sequencing and prioritizing information, and observing patterns.	Embedded	
1.2 Determine when and how to break a problem into simpler parts.	Embedded	
Standard Set 2.0 Students use strategies, skills, and concepts in finding solutions:		
2.1 Use estimation to verify the reasonableness of calculated results.	Embedded	
2.2 Apply strategies and results from simpler problems to more complex problems.	Embedded	
2.3 Use a variety of methods, such as words, numbers, symbols, charts, graphs, tables, diagrams, and models, to	Embedded	

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<i>CALIFORNIA CONTENT STANDARDS: GRADE 3</i>		# of Items on CST	Trimester and SBA
	explain mathematical reasoning.		
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.	Embedded	
2.5	Indicate the relative advantages of exact and approximate solutions to problems and give answers to a specified degree of accuracy.	Embedded	
2.6	Make precise calculations and check the validity of the results from the context of the problem.	Embedded	
Standard Set 3.0 Students move beyond a particular problem by generalizing to other situations:			
3.1	Evaluate the reasonableness of the solution in the context of the original situation.	Embedded	
3.2	Note the method of deriving the solution and demonstrate a conceptual understanding of the derivation by solving similar problems.	Embedded	
3.3	Develop generalizations of the results obtained and apply them in other circumstances.	Embedded	
GRADE 3 TOTAL		65	

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