

**Houghton Mifflin Math Pacing Guide: First Grade**  
**Alum Rock School District**  
**2011-2012**



Alum Rock Key Standards	Concept / Category	Chapter(s)	Days of Instruction	EOY Goal Criteria	Academic Language	Assessment Dates	Ch. Rev./ Key Std. Rev.	Support/ Resources
<b>Beginning of the Year Inventory/ Back to School 1 - 5 days Aug.23- Aug.29</b>								
<b>B1 – B14</b>								
<b>NS 1.0/1.1</b> Students understand and use numbers up to 100. Count, read, and write whole numbers to 100.	Understand Numbers	Chapter 1 lessons, 2.1, 2.2 , 12.1, 12.4, 14.1  1 quiz NS 1.0/1.1  Chapter 1 Test	10 days  <i>Aug. 30 - Sept. 13</i>	Count, read, and write numbers to 100	zero, one, two, three, four , five, six, seven, eight, nine, ten, eleven, twelve, thirteen, fourteen, fifteen, sixteen, seventeen, eighteen, nineteen, twenty, before, after, between, regroup, number line, tens	Quiz Sept.8  <b>Due Sept. 12</b>  Chapter 1 Test Sept. 13  <b>Due Sept. 19</b>	Chapter 1 page19, 20  Key Standard: page 17, 37, 93, 44	EL Resources Book pp. 2-3  EL activities pp. 1g, 3, 5B  Math Music CD track 1  <i>The Cool School Bus</i> take home book
<b>NS 2.4</b> - Count by 2s, 5s, and 10s, up to 100.	Understand Numbers	13.3, 13.2, 13.1, 13. 4, 13.5, 24.5  1 quiz NS 2.4	6 days  <i>Sept. 14 – Sept. 21</i>	Count by 2s, 5s, and 10s. Compare and order numbers to 100	tens, skip count, more than, less than, pattern, table	Give quiz when ready  <b>Due Oct. 5</b>	Key Standard: page 273, 317	EL Resources Book pp. 26-27  Strategic Lessons NS 41, NS42
<b>NS 2.3</b> - Identify one more than, one less than, 10 more than, and 10 less than a given number	Number Sense	2.3, 2.4, 2.5, 12.2, 12.3  Chapter 2 Review  1 quiz NS 2.3	6 days  <i>Sept. 22- Sept. 29</i>		more than, less than, regroup	Quiz Sept. 29  <b>Due Oct. 3</b>	Chapter 2 page 39, 40  Unit 1: page 43, 44 Chapter 3: page 61, 62  Key Standard: page 59, 257, 469, 509	Math Centers pp. 21C-21D Benchmark Worksheet 2.2

<b>NS 1.2</b> - Compare and order whole numbers to 100 by using the symbols for less than, equal to, or greater than (>, <, =)	Number Sense	14.2, 14.3, 14.4, 14.5  1 quiz NS 1.2	5 days  <b>Sept.30 – Oct. 6</b>	Understand and use comparison symbols (>, <, =)	more than, less than, regroup, estimate, greatest, least, compare, comparison	Quiz Oct. 6  <b>Due Oct. 11</b>	Unit 5: page 279, 280  Key Standard: page 299	Math Centers pp. 261C – 261D
<b>NS 2.0</b> - Students demonstrate the meaning of <i>addition</i> and use these operations to solve problems.	Making Numbers Work Together	3.1, 3.2, 3.3., 3.4, 3.5, 4.1, 4.2, 4.3, 4.4, 4.5, 5.1, 5.2, 5.3, 5.4, 5.5  2 quizzes Addition #1 NS 2.0 #2 NS 2.0 Test NS 2.0	18 days  <b>Oct. 7 – Nov. 1</b>	Add numbers fluently	number sentence, add, part, whole, plus sign, equal sign, sum, part, horizontal, vertical, zero, addition sentence, order, addend, count on, number line, doubles fact,	Quiz #1 Oct. 17 <b>Due Oct. 19</b>  Quiz #2 Oct 24 <b>Due Oct. 26</b>  <b>Test Nov. 1</b> <b>Due Nov. 3</b>	Chapter 4 page 79, 80  Chapter 5: page 95-96  Unit 2: page 99-100  Key Standard: page 77, 117, 359	Math Centers pp. 63C-63D and pp. 81C – 81D  Strategic Lessons NS 19, 21 <i>Friendship Soup</i> take home book
<b>NS 2.0</b> - Students demonstrate the meaning of <i>subtraction</i> and use these operations to solve problems.	Making Numbers Work Together	6.1, 6.2, 6.3, 6.4, 6.5, 7.4, 7.3, 7.1, 7.2, 7.5, 8.1, 8.2  2 quizzes, Subtraction #1 NS 2.0 #2 NS 2.0  Cumulative Test NS 2.0	16 days  <b>Nov. 2 – Nov. 29</b>	Subtract numbers fluently	subtract, part, whole, minus sign, equal sign, subtraction sentence,	Quiz #1 Nov. 10 <b>Due Nov. 16</b>  Quiz #2 Nov. 18 <b>Due Nov. 22</b>  <b>Test Nov. 29</b> <b>Due Dec. 2</b>	Chapter 6: page 119, 120  Chapter 7: page 137, 138  Chapter 8: page 155, 156  Key Standard: page 135, 153, 397	UA and EL activities pp. 101g, 103, 105B  Math Centers pp. 103C-103D <i>Bug Jamboree</i> take home book
<b>NS 2.2</b> - Use the inverse relationship between addition and subtraction to solve problems	Making Numbers Work Together	9.1, 9.2, 9.3, 9.4, 8.3, 8.4, 8.5, 16.4, 19.1, 19.2, 18.1, 18.2, 16.1, 16.2, 16.3, 9.5  2 quizzes	22 days  <b>Nov. 1 – Jan. 13</b>		related facts, fact family, whole, missing numbers, doubles fact, compare, comparison, number line, subtract, difference,	Quiz #1 Dec. 8 <b>Due Dec. 12</b>  Quiz #2 Dec 16 <b>Due Jan. 4</b>  <b>Test Jan. 13</b> <b>Due Jan. 17</b>	Chapter 9: page 175, 176 Unit 3: page 179, 180 Chapter 13: page 259, 260 Chapter 14: page 275, 276	Math Music CD Track 3  EL Resources Book pp. 18 –19  Math Centers

		NS 2.2 #1, #2 Test NS 2.2			subtraction fact, opposite, minus sign, equal sign, operation		Chapter 16: 319, 320 Chapter 19: 375, 376  Unit 7: page 379, 380  Key Standard: page 173, 199, 217, 341, 373, 411	pp. 157C – 157D  <i>This Summer I Wish I Could...</i> take home book
<b>NS 1.5</b> - Identify and know value of coins and show different combinations of coins that equal the same value	Number Sense	20.4, 20.5 20.2, 20.3, 20.1  1 quiz #1 NS 1.5	7 days  <b>Jan. 17 – Jan. 25</b>	Identify and know the value of coins	dime, nickel, coin, cent sign, penny,	Quiz Jan. 25  <b>Due Jan. 27</b>	Chapter 20: page 399, 400  Chapter 21: page 413, 414	EL Resources Book pp. 40 – 41  Math Music CD Track 8 <i>Jenny Hen's Penny Bakery</i> take home book
<b>MG 2.0</b> - Students will identify common geometric figures, classify them by common attributes, and describe their relative position or their location in space.	Shapes and Lines	26.1, 26.2, 26.3, 26.4, 26.5, 27.2, 27.1, 27.3, 27.4  1 quiz MG 2.0  Test MG 2.0	11 days  <b>Jan. 26 – Feb. 9</b>		position, position words, left, right, above, between, below, near, far, up, down, behind, next to, in front, circle, triangle, rectangle, square, side, corner, pattern, pattern unit, cube, cone, cylinder, rectangular prism, sphere, pyramid, face flat surface, curved surface	Quiz Feb. 2 <b>Due Feb. 6</b>  <b>Test Feb. 9 Due Feb. 13</b>	Chapter 27: page 527, 528  Key Standard: page 429	UA and EL activities pp. 493G, 495, 497B  Math Centers pp. 495C- 495D  Math Music Track 10 <i>Our Classroom</i> Take home book
<b>MG 1.0</b> - Students will use direct comparison	Weights and measure	28.2, 28.1, 28.3, 28.4,	6 days  <b>Feb. 10 –</b>		measure, units, length, height, longer, taller,	Quiz Feb. 17 <b>Due Feb. 27</b>	Chapter 28: page 543-544	Math Centers pp. 529C- 529D

and nonstandard units to describe length, weight, and volume.		1 quiz MG 1.0	<b>Feb. 17</b>		shorter, heavier, lighter, more, less		Unit 10: page 547, 548	EL Resources Book pp. 56
<b>MG 1.2</b> - Tell time to the nearest half hour and relate time to events (e.g. before/ after, shorter/ longer).	Concept of time	22.1, 22.3, 22.2, 22.4, 22.5	5 days <b>Feb. 27– March 2</b>	Tell time, use clock	before, after, hour hand, minute hand, o'clock, digital, hour, minute, hour, shorter, longer, half-hour, table	<i>Quiz w/ SDAP 1.1</i> ↓	Chapter 22: page 431, 432  Unit 8: 435, 436	Benchmark Worksheet 22.1 Strategic Lesson MG1
<b>SDAP 1.1</b> - Sort object and data by common attributes and describe the categories.	Collecting and Analyzing Data	11.1  1 quiz SDAP 1.1(w/ MG 1.2)	2 days  <b>March 5 – March 6</b>		sort	Quiz March 6 <b>Due March 8</b>	Chapter 26: page 511, 512  Key Standard: page 541	Reteach 11.1  EL Resources pp. 22-23
<b>SDAP 1.0</b> - Students will organize, represent, and compare data by category on simple graphs and charts.	Collecting and Analyzing Data	10.1, 10.2, 10.3, 10.4, 10.5, 28.5  1 quiz SDAP 1.0	7 days  <b>March 7 – March 15</b>	Understand and use graphs to solve	tally, picture graph, bar graph, most, least, more, fewer, pattern	Quiz March 15 <b>Due March 19</b>	Chapter 10: page 201, 202  Chapter 18: page 361, 362	Math Music CD Track 4 UA and EL activities pp. 181G, 183 <i>Rain, Rain, Go Away</i> take home book
<b>SDAP 2.0</b> - Students sort objects and create patterns, and describe patterns by numbers, shapes, sizes, rhythms, or colors.	Patterns/ Collecting/ Analyzing Data	11.2, 11.3, 11.4, 11.5  1 quiz SDAP 2.0	5 days  <b>March 16 – March 22</b>		pattern, pattern unit,	Quiz March 22 <b>Due March 26</b>	Chapter 11: page 219, 220  Unit 4: page 223, 224  Chapter 12: page 241, 242  Key Standard: page 239, 451	Math Centers pp. 203C-203D Benchmark Worksheet 11.1 <i>Making Our School Lunch</i> (Unit 5) take home book
<b>NS 2.7</b> - Find the sum of three one-digit numbers. <b>NS 2.5</b> - Show	Understand Mathematical Relationships	15.1, 15.2, 15.3, 15.4, 15.5, 15.6, 17.1, 17.2, 17.3, 17.4,	23 days  <b>March 23 – May 2</b>		count on, addend, sum, order, number sentence, addend, doubles plus 1, plus sign, equal sign,	Quiz #1 Mar 29 <b>Due April 3</b>  Quiz #2 April 6 <b>Due April 17</b>	Chapter 15: page 301, 302  Unit 6: page 323, 324	Math Centers pp. 283C-283D  Strategic

the meaning of addition and subtraction.		18.2, 18.3, 18.4, 17.5, 17.6, 18.5, 19.3, 19.4, 12.5  3 quizzes #1 NS 2.7/2.5 #2 NS 2.7/2.5 #3 NS 2.7/2.5 Test NS 2.7/2.5			difference, pattern, greater, less, doubles	Quiz #3 April 20 <b>Due April 24</b>  <b>Test May 2</b> <b>Due May 4</b>	Chapter 17: page 343, 344	Lessons NS47  Math Music CD Track 6  EL Resources Book pp. 30 - 31 <i>Farmer's Market</i> take home book
<b>NS 1.5</b> - Identify and know the value of coins and show different combinations of coins that equal the same value.	Parts of a Whole	21.1, 21.2, 21.3, 21.4, 20.6  1 quiz #2 NS 1.5	6 days  <b>May 3– May 10</b>		penny, nickel, dime, equal, quarter, list, addition, and subtraction	Quiz May 10 <b>Due May 14</b>		Math Centers pp. 401C- 401D EL Resources Book pp. 42 - 43
<b>NS 2.6</b> - Solve <i>addition</i> problems with one-and two-digit numbers	Making Numbers Work Together	24.1, 24.2, 23.1, 23.2, 23.3, 24.3, 24.4. 23.4, 16.5  1 quiz Addition NS 2.6	11 days  <b>May 11– May 25</b>		regroup, rule, 1- digit number, 2- digit number, regroup, basic fact, tens, ones, addend, table	Quiz May 25 <b>Due May 30</b>	Chapter 24: page 471, 472  Chapter 23: page 453, 454  Key Standard: page 485	UA and EL activities pp. 437G, 439, 441B Math Music CD Track 9 <i>Undersea Parade</i> take home book
<b>NS 2.6</b> - Solve <i>subtraction</i> problems with one-and two-digit numbers	Making Numbers Work Together	25.1, 25.2, 25.4, 25.3, 25.5  1 quiz Subtraction NS 2.6 Test NS 2.6/1.5	6 days  <b>May 29 – June 5</b>		difference, regroup, subtract, tens, ones, compare,	Quiz June 5 <b>Due June 6</b>  <b>Test</b> <b>Due June 6</b>	Chapter 25: page 487, 488  Unit 9: page 491, 492  Key Standard: page 525	Math Centers pp. 473C- 473D

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Aug. 23 to Aug. 29	<b>Back to School B1 –B14 Review Beginning of the Year Inventory</b>						
Aug. 30 to Sept. 7	N.S 2.2 Find the sum or difference of two numbers up to three digits long.	4 questions	1.1	Hands On: Make Ten to Add	add	UA and EL activities, pp 1G, 3, 5B  Math Centers pp. 3C-3D	Quiz #1 9/7/11  <b>Due 9/9/11</b>
			1.2	Add Three Numbers	sum		
			1.3	Fact Families	fact family		
			1.4	Missing Addends	addend		
			1.5	Write a Number Sentence	number sentence		
Sept. 8 to Sept. 14	NS 1.1 Counts, reads and writes whole numbers to 1,000. Identifies the place value of each digit.	3 questions	3.1	Hands On: Place Value to 200	tens, hundreds	EL Resource Book pp. 6-7 Math Centers pp. 47C-47D Chapter Challenges p. 13	Quiz #2 9/14/11  <b>Due 9/19/11</b>
			3.2	Expanded Form	digit, place		
			3.3	Hands On: Regroup Tens to Ones	regroup		
			3.4	Different Ways to Show Numbers	expanded form		
			4.3	Orders Numbers to 200	least, greatest		
Sept. 15 to Sept. 21	NS 1.3 Order and compare whole numbers to 1,000 by using the symbols <, =, >.	4 questions	4.1	Hands On: Compare Numbers to 200	greater than, less than, equal to	Math Centers pp. 63C-63D Benchmark Worksheet 4.2 Strategic Lessons NS 11, NS12, NS13	Quiz #3 9/21/11  <b>Due 9/26/11</b>
			4.2	Compare Numbers to 200	greater than(>),less than (<)		
			4.4	Round to Nearest Ten	round		
			4.5	Reasonable Answers			
Sept. 22 to Oct. 7	NS 2.2 Find the sum or difference of two whole numbers up to three digits long.	4 questions	8.1	Add Using a Place Value Chart	add, sum	Math Centers pp. 147C-147D  UA and EL activities 145G, 147, 149B  EL Resource Book pp. 16-17  Math Centers pp. 167C-167D	Quiz #4 10/7/11  <b>Due 10/12/11</b>
			8.2	Add Tens and Ones	regroup		
			8.3	Model Adding Two Digit Numbers	add		
			8.4	Add Two Digit Numbers in Different Ways	expanded form		
			9.1	Add Using a Hundred Chart	pattern		
			9.2	Add Using a Place Value Chart	place value		
			9.3	Practice Regrouping 10 to 14	regroup		
			9.4	Practice Regrouping 15 -18	regroup		
			9.5	Guess and Check	guess and check		
			10.1	Different Ways to Add	mental math		
10.3	Line Up Digits to Add	rewrite					

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Oct. 10 to Oct. 25	N.S 2.2 Find the sum or difference of two whole numbers up to three digits long.	4 questions	11.1	Subtract Tens	subtract	Benchmark Worksheet 11.1 Strategic Lesson NS 25  Math Centers pp. 213C-213D  UA and EL activities pp. 211G, 227, 229B  Math Centers pp. 227C-227D	Quiz #5 10/25/11  <b>Due 10/28/11</b>
			11.2	Subtract Two Digit Numbers	difference		
			11.3	Subtract Two Digit Numbers with Regrouping	regroup		
			12.1	Subtracting Using Hundred Number Chart	minus		
			12.2	Subtract Using a Place Value Chart	difference		
			12.3	Practice Regrouping With 10 -14	compare		
			12.4	Practice Regrouping With 15 -18	place value		
			13.1	Different Ways to Subtract	mental math		
			13.3	Line Up Digits to Subtract	rewrite		
			13.4	Add and Subtract Money	regroup		
13.5	Check Subtraction	related fact					
Oct. 26 to Nov. 3	SDAP 1.0 Students collect numerical data and record, organize, display and interpret the data on bar graphs and other representations.	7 questions	2.1	Hands On: Make a Tally	tally mark	EL Resources Book pp. 4-5 Math Centers pp. 21C-21D Chapter Challenges and Investigations p. 7 UA and EL activities pp. 1G, 21, 29B	Quiz #6 11/3/11  <b>Due 11/8/11</b>
			2.2	Compare Data and Tables	data		
			2.3	Read a Picture Graph	picture graph, key		
			2.4	Read and Make a Bar Graph	bar graph		
			2.5	Range and Mode	mode, range, line plot		
			2.6	Problem Solving Strategy: Use a Graph	graph		
Nov. 4 to Nov.17	SDAP 2.0 Students demonstrate an understanding of patterns and how patterns grow and describe them in general ways.	Not assessable in a multiple choice format.	5.1	Hands On: Count By 2s	hundred chart	Math Centers pp. 81C-81D  Strategic Lesson SDAP 5  EL Resources Book pp. 10-11  UA and EL activities pp. 45G, 81, 89B	<b>Inspect Blueprint Assessment Form A</b> 11/7/11 <b>Due 11/14/11</b>  Quiz #7 11/17/11  <b>Due 11/21/11</b>
			5.2	Count By 5s	hundred chart		
			5.3	Count By 10s	digit		
			5.4	Even and Odd Numbers	even, odd		
			5.5	Problem Solving: Create and Solve	Even, odd		
			3.5	Problem Solving: Find a Pattern	pattern		

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Nov. 18 to Dec 7	MG 2.1 Describe and classify plane and solid geometric shapes according to the number and shape of faces, edges, and vertices.	3 questions	14.1	Shapes	side, angle, vertex, vertices	Math Centers pp. 269C-269D	Quiz # 8 12/7/11  <b>Due 12/12/11</b>
	MG 2.2 Put shapes together and take them apart to form other shapes	3 questions	14.2	Plane Shapes	round, estimate	Benchmark Worksheet 14.3	
			14.3	Compare Plane Shapes	rewrite		
			14.4	Combine and Separate Shapes		Strategic Lesson MG 3, MG 4	
			14.5	Make New Solid Shapes			
			15.1	Solid Shapes	rectangular prism, sphere, pyramid, cone, cube, cylinder	EL Resources Book pp. 28-29	
			15.2	Faces, Edges, Vertices	face, edge, vertex, vertices	UA and EL activities pp. 267G, 269, 271B	
			15.3	Identify Faces	face, rectangular prism, pyramid, cone, cube, cylinder		
			15.4	Compare Plane and Solid Shapes	face, edge, vertex, vertices	Chapter Challenges pp. 79, 81	
	15.5	Geometric Patterns					
Dec. 8 to Jan. 6	NS 5.1 Solve problems using combinations of coins and bills	3 questions	6.1	Identify Coins	coin, half-dollar, quarter, dime, nickel, penny		
			6.2	Count Coins	cent sign (¢)		
			6.3	Equal Amounts	equal		
			6.4	Compare Money Amounts	greater than (>), less than (<), equal (=)		
			7.1	Use Coins to Show Amounts	exact amount		



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			7.2	Use Money	fewest		
			7.3	One Dollar	dollar, dollar sign (\$), decimal point (.)		
			7.4	Make Change	Change		
			7.5	Act it Out	money, coin, penny, nickel, dime, quarter, half-dollar, dillar		
Jan. 9 to Jan. 13	NS 5.2 Know and use the decimal notation and the dollar and cent symbols for money.	3 questions	10.4	Add Money	value	Math Centers pp. 187C-187D Strategic Lesson NS33, NS34 EL Resources Book pp. 20-21 UA and EL activities pp. 145G, 187, 189B	Quiz #9 1/13/12  <b>Due 1/18/12</b>
			13.4	Add and Subtract Money	regroup		
			24.5	Count Dollars and Cents	dollar sign, decimal point, one dollar bill, five dollar bill, ten dollar bill		

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Jan. 17	NS 4.1 Recognize, name, and compare unit fractions from $\frac{1}{12}$ to $\frac{1}{2}$ .	3 questions	16.1	Halves and fourths	fraction, whole part, one half, one fourth, equal parts	Math Centers pp. 307C-307D Benchmark Worksheet 16.1	
Jan.18	NS 4.2 Recognize fractions of a whole and parts of a group.	3 questions	16.2	Unit Fractions	unit fraction, fraction	EL Resources Book pp. 32-33	
Jan 19 to Jan. 31	NS 4.3 Know that when all fractional parts are included, such as four-fourths, the result is equal to the whole and to one.	3 questions	16.3	More About Fractions	fraction	Math Centers pp. 307C-307D UA and EL activities pp. 267G, 307, 309B  Math Centers pp. 325C-325D	Quiz #10 1/31/12  <b>Due 2/3/12</b>
			16.4	Wholes and Parts	whole, part		
			16.5	Use a Picture	fraction		
			17.1	Compare Fractions	compare, fraction		
			17.2	Fractions of a Group	set		
			17.3	Fractional Parts of a Group	fraction, group		
Feb. 1 to Feb.10	MG 1.4 Tell time to the nearest quarter hour and know the relationship of time. MG. 1.5 Determine the duration of intervals of time in hours.	MG 1.4 2 questions	19.1	Make a Clock and show time to the Hour	minute hand, hour hand, hour, minute, second	Math Centers pp. 367C-367D Strategic Lesson MG 17, MG 18, MG 19 EL Resources Book pp. 38-39 UA and EL, activities pp. 347G, 367,369B	Quiz # 11 2/10/12  <b>Due 2/15/12</b>
			19.2	Time Before and After the Hour	minute, hour		
		MG 1.5 1 question	19.3	Time to 15 Minutes	quarter hour		
			19.4	Elapsed Time	A.M., P.M.		
			19.5	Calendar	calendar, day, week, month, year		
			19.6	Use a Table	elapsed time		

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Feb. 13 to Feb. 17	NS 1.1 Counts, reads and writes whole numbers to 1,000. Identifies the place value of each digit.	3 questions	23.1	Hands On: Count by 100's	hundred, thousand	Math Centers pp. 449C-449D Strategic Lesson NS 56, NS 57 UA and EL activities pp. 447G, 449,451B	Quiz #12 2/17/12  <b>Due 2/29/12</b>
			23.2	Hands On: Hundreds, Tens, Ones	hundreds, tens, ones		
			23.3	Numbers Through 1,000	expanded form, place value		
			23.4	Identify Place Value	digit, pattern		
			23.5	Problem Solving: Making a Table	pattern		
Feb. 27 to Mar. 7	NS 1.3 Order and compare whole numbers to 1,000 by using the symbols <, >, =.	4 questions	24.1	Regroup Tens as Hundreds	regroup	Math Centers pp. 467C-467D Strategic Lesson NS 58, NS 59 EL Resources Book pp. 48-49 UA and EL activities pp. 447G, 467, 469B	<b>Inspect Blueprint Assessment Form B</b> 2/28/12 <b>Due 3/2/12</b>  Quiz #13 3/7/12  <b>Due 3/12/12</b>
			24.2	Compare Three Digit Numbers	place value least, greatest		
			24.3	Hands On: Before, After, Between	before, after, between		
			24.4	Order Three Digit Numbers	before, after, between		
Mar. 8 to Mar. 15	MG 1.3 Measure the length of an object to the nearest inch and/or centimeter.	3 questions	18.1	Measuring with Non Standard Units		Math Centers pp. 349C-349D Strategic Lesson MG 12 EL Resources Book pp. 36-37 UA and EL activities pp. 347G, 349, 351B	Quiz #14 3/15/12  <b>Due 3/20/12</b>
			18.2				
			18.3	Hands On: Inches	Inch (in.), inch ruler		
			18.4	Hands On: Centimeters	centimeter (cm), centimeter ruler		
			18.5	Use Measurement	ruler, inch		

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Mar. 16	NS 3.1 Use repeated addition, array, and counting by multiples to do multiplication.	2 questions	20.1	Equal Groups	equal groups	Math Centers pp. 393C-393D	
Mar. 19 to Mar. 23	NS 3.3 Know the multiplication tables of 2s, 5s, and 10s, and commit them to memory.	3 questions	20.2	Arrays	Array, product, multiply	Strategic Lesson NS 48, NS 49 EL Resources Book pp. 40-41 UA and EL activities pp. 391G, 393, 395B	Quiz #15 3/23/12  <b>Due 3/28/12</b>
			20.3	Skip Counting to Multiply	equal groups, skip count, multiply		
			20.4	Use Table to Multiply	pattern		
			20.5	Field Trip	multiply		
Mar. 26 to April. 3	NS 3.3 Know the multiplication tables of 2s, 5s, and 10s and commit them to memory.	3 questions	21.1	Multiply in Any Order	array	Math Centers pp. 409C-409D Strategic Lesson NS 50, NS 51, NS 52 UA and EL activities pp. 391G, 409, 411B	Quiz #16 4/3/12  <b>Due 4/6/12</b>
			21.2	Multiply by 2	multiply, product		
			21.3	Multiply by 5	multiplication sentence, equation		
			21.4	Multiply by 10	skip count		
			21.5	Write a Number Sentence	multiply		
April 4 to April 17	NS 3.2 Use repeated subtraction, equal sharing, and forming equal groups with remainders to do vision.	3 questions	22.1	Equal Groups	share equally	Benchmark Worksheet 22.2 Strategic Lesson NS54  Math Centers pp. 427C-427D	Quiz #17 4/17/12  <b>Due 4/20/12</b>
			22.2	Equal Groups	divide, division sentence		
			22.3	Repeated Subtraction	repeated subtraction		
			22.4	Equal Groups with Remainders	remainder		
			22.5	Choose a Method	division, number sentence		
April 18 to April 25	NS 2.2 Find the sum or difference of two whole numbers up to three digits long.	4 questions	25.1	Add and Subtract Hundreds		Math Centers pp. 493C-493D Strategic Lesson NS 60, NS 61, NS 62 EL Resources book p. 50 -51 Chapter Challenges p. 145	Quiz #18 4/25/12  <b>Due 5/1/12</b>
			26.1				
			25.2	Regroup Ones	regroup, ones		
			25.3	Regroup Tens	regroup, tens		
			25.4	Practice Adding Three Digit Numbers	regroup, digit, hundreds, tens, ones, add		
			25.5	Multi-step Problems	addition sentence		

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April 26 to May 3	NS 2.2 Find the sum or difference of two whole numbers up to three digits long.	4 questions	26.2	Regroup Tens	regroup	Math Centers pp. 511C-511D Strategic Lesson NS 63, NS 63, NS 65	Quiz # 19 5/3/12  <b>Due 5/7/12</b> (CST Window)
			26.3	Regroup Hundreds	regroup, subtract, hundreds		
			26.4	Subtracting three Digit Numbers			
			26.5	Write a Number Sentence	number sentence		
May 4 to May 17	NS 2.2 Find the sum or difference of two whole numbers up to three digits long.	4 questions	27.1	Subtract with Two Regroupings	3-digit number	Math Centers pp. 529C-529D Strategic Lesson NS 66, NS 67 Chapter Challenges p. 157 Benchmark Worksheet p. 27.2	Quiz #20 5/17/12  <b>Due 5/21/12</b> (CST Window)
			27.2	Subtract with Two Regroupings	regroup		
			27.3	Subtract Across Zeros	zero		
			27.4	Write in Vertical Form	vertical		
			27.5	Write a Number Sentence	operation, addition, subtraction, multiplication, division		
May 18 to May 25	NS 2.2 Find the sum or difference of two whole numbers up to three digits long.	4 questions	28.1	Add and Subtract Money	nickel, penny, dime, quarter, half-dollar, dollar	Math Centers pp. 547C-547D Strategic Lesson NS 68 Chapter Challenges p. 163 Benchmark Worksheet p. 28.2	Quiz # 21 5/25/12  <b>Due 5/31/12</b>
			28.2	Add and Subtract Money	dollar sign, decimal point		
			28.3	Check Subtraction	inverse operation		
			28.4	Estimate Sums and Differences	estimate		
			28.5	Work Backwards	missing addend		
May 29 to June 8			Looking Ahead 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, & 20				

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8/23 to 8/30	<b>Back to School Activities pp. B1 –B10</b>						
	<b>Diagnostic Assessments</b>						
8/31/11 to 9/16/11	<b>NS 1.3 Identify the place value for each digit in number to 10,000</b>	3 questions (5%)	Unit 1 Ch.1 L.1	Hands On: Model Numbers	digit, place value	<b>NS 1.3</b> EL activities pp. 1G, 5, 6B  Math Centers pp 4C-4D  EL Resources Book pp 2-3  <b>NS 1.5</b> EL Resources pp 4-5  UA pp. 1G, 25, 36B  <b>NS 1.4</b> Math Centers pp 4C -4D  UA and EL activities 1 G, 5, 8B  <b>NS 1.2</b> Strategic Lesson NS 5, NS6, NS7  Math Centers pp 24C-24D	<b>Key Standard Unit 1 Quiz NS 1.3/NS1.5 9/15/11 Due 9/20/11</b>  Non-Key Quiz Unit 1 NS 1.2 9/16/11 <b>Due 9/20/11</b>  Non-Key Quiz Unit 1 NS 1.4 9/16/11 <b>Due 9/20/11</b>
			Unit 1 Ch.1 L.2	Place Value Through 999 Repeat Lesson Focus: Place Value	standard form, expanded form, word form		
	<b>NS 1.5 Use expanded notation to represent numbers</b>	3 questions (5%)	Unit 1 Ch.1 L.3	Hands On: How Big is 1,000?	thousand		
			Unit 1 Ch.1 L.4	Place Value to 10,000	ones, tens, hundreds, thousands, ten thousands		
	NS 1.2 Compare and order numbers to 10,000	1 question (2%)	Unit 1 Ch.1 L.5	Problem Solving	<b>*Focus on Draw a Picture</b>		
			Unit 1 Ch.2 L.1	Hands On: Compare Numbers	greater than, less than, compare		
	NS 1.4 Round off numbers to 10,000	½ (rotated every two years)	Unit 1 Ch.2 L.2	Order Numbers to 10,000	order		
			Unit 1 Ch.2 L.3	Round 2-Digit and 3-Digit Numbers	round, estimate		
			Unit 1 Ch.2 L.4	Round 4-Digit Numbers	ones, tens, hundreds, thousands		
			Unit 1 Ch.2 L.5	Problem Solving	<b>* Focus on Draw a Picture</b>		

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9/19/11 to 10/07/11	<b>NS 2.1 Find the sum or difference of two whole numbers between 0 and 10,000</b>	4 questions (6%)	Unit 2 Ch.3 L.1	Hands on Addition with regrouping	regroup sum addend	<b>NS 2.1</b> Strategic Lessons NS 12, NS 13, NS 15  Math Centers pp. 48C- 48D  EL activities pp. 45G, 49, 60B  <b>AF 1.1</b> Problem solving 12.5, 21.4  EL Resources Book pp. 6-7	<b>Key Standard Unit 2 Quiz NS 2.1, AF 1.1 10/7/11</b>  <b>Due 10/12/11</b>
			Unit 2 Ch.3 L.2	Equations and Inequalities	expression, inequality, equation, equality		
			Unit 2 Ch.3 L.3	Unit 2 Ch. 4 L. 5	estimate sums and differences		
	<b>AF 1.1 Use the symbols, &gt;, &lt;, or = to show the relationships between quantities</b>	4 questions (6%)	Unit 2 Ch.3 L.4	Unit 2 Ch. 4 L. 6	estimate or exact amount		
			Unit 2 Ch.3 L.5	Add Greater Numbers	ten, hundred, thousand		
			Unit 2 Ch.4 L.1	Hands On: Model Subtraction	regroup		
	NS 2.0 Calculate and solve problems involving addition, subtraction, multiplication and division	<b>NS Total 49%</b>	Unit 2 Ch.4 L.2	Subtract with Regrouping	regroup		
			Unit 2 Ch.4 L.3	Subtract Greater Numbers	difference		
	NS 2.8 Solve problems that require two or more operations	1 question (2%)	Unit 2 Ch.4 L.4	Subtract Across Zeros	zero		
			Unit 2 Ch.4 L.5	Estimate sums and differences	estimate, exact answer		
	AF 1.0 Select appropriate symbols, operations, and properties to represent, describe, simplify, and solve simple number relationships	<b>AF Total 18%</b>	Unit 2 Ch.4 L.6	Estimate or Exact Amount?	estimate, exact answer		
	AF 1.2 Problem solve using the right symbol: +, -, x, ÷, >, <, or =	1 question (2%)					
AF 1.3 Pick the right symbol to make the number sentence correct (For example, if 4 __ 3 =12, what symbol goes in the blank)	1 question (2%)						

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10/10/11 to 11/01/11	<p><b>NS 2.2 Memorize to automaticity the multiplication table 1-10</b></p> <p><b>AF 1.1 Use the symbols, <math>&gt;</math>, <math>&lt;</math>, or <math>=</math> to show the relationships between quantities</b></p> <p>AF 2.1 (tested in Unit 10) Solve simple problems involving a relationship between two quantities (for example, find the total cost of more than one item given the cost of each item)</p> <p>AF 1.2 Problem solve using the right symbol: <math>+</math>, <math>-</math>, <math>\times</math>, <math>\div</math>, <math>&gt;</math>, <math>&lt;</math>, or <math>=</math></p> <p>AF 1.5 Recognize and use the commutative and associative properties of multiplication</p> <p>AF 2.2 Extend and recognize a pattern by its rules</p> <p>NS 2.6 Special properties of 0 and 1</p> <p>NS 2.8 Solve problems that require two or more operations</p>	N/A	Unit 3 Ch.5 L.1	Hands On: Model Multiplication		Math Centers pp. 98C-98D  El Resources Book pp. 10-11  UA and EL activities pp. 95G, 99, 100B  Benchmark Worksheet 5.1	<p><b>Key Standard Unit 3 Quiz NS 2.2, AF 1.1 11/1/11 Due 11/04/11</b></p> <p>Non-Key Unit 3 Quiz AF 2.2 10/28/11 <b>Due 11/02/11</b></p>
		4 questions (6%)	Unit 3 Ch.5 L.2	Arrays and the Commutative Property			
		Unit 3 Ch.5 L.3	Multiplication Review: 2, 5, 10				
		Unit 3 Ch.5 L.4	Multiply with 4				
		Unit 3 Ch.5 L.5	Problem Solving				
		3 questions (5%)	Unit 3 Ch.6 L.1	Hands On: Multiply with 0 and 1			
		Unit 3 Ch.6 L.2	Multiply with 9	digit			
		Unit 3 Ch. 6 L.3	Square Arrays	square number			
		Unit 3 Ch. 6 L.4	Multiply with 3	doubles			
		Unit 3 Ch. 6 L.5	Problem Solving Plan: Multi-Step Problems				
		1 questions (2%)	Unit 3 Ch. 7 L.1	Hands On: Use a Multiplication Table	factor, row, column, product		
		Unit 3 Ch. 7 L.2	Use What You Know to Multiply 6, 7, 8	double			
		1 questions (2%)	Unit 3 Ch. 7 L.3	Practice Multiplying by 6, 7, 8	facts		
		Unit 3 Ch. 7 L.4	Use the Associative Property	associative property of multiplication			
1questions (2%)	Unit 3 Ch 7 L.5	Problem Solving: Guess and Check					
1 questions (2%)							
1 questions (2%)							



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11/02/11 to 12/09/11	AF 2.1 (tested in Unit 10) Solve simple problems involving a relationship between two quantities	3 questions (5%)	Unit 4 Ch.8 L.1	Hands On: Measure to the Nearest Inch	estimate, inch	Math Centers pp. 168C-168D  El Resources Book pp. 16-17  Benchmark Worksheet 8.1  Math Centers pp. 188C-188D, 210C-210D  EL Resources Book pp. 18-19  Chapter Challenges p. 49, 55  UA and EL activities pp. 165G, 189, 211, 218B 196B,  EL Resources Book pp. 20 -21  Strategic Lesson NS 39, MG 7 Benchmark Worksheet 10.2	<b>Inspect Blueprint Assessment Form A</b> 11/7/11 <b>Due 11/14/11</b>  <b>Key Standards Unit 4 Quiz Part 1</b> <b>MG 2.1, 2.2, 2.3</b> <b>12/07/11</b> <b>Due 12/14/11</b>  <b>Unit 4 Quiz Part 2 MG 1.2, 1.3</b> <b>12/08/11</b> <b>Due 12/14/11</b>  Non-Key Unit 4 Quiz MG 1.1 <b>12/09/11</b> <b>Due 12/14/11</b>
	<b>MG 1.2 Estimate on determine the area and volume of solid figures</b>	3 questions (5%)	Unit 4 Ch.8 L.2	Convert Customary Units of Length	foot, yard, mile		
			Unit 4 Ch.8 L.3	Hands On: Centimeters and Millimeters	millimeter, centimeter		
	<b>MG 1.3 Find the perimeter of the polygon</b>	3 questions (5%)	Unit 4 Ch.8 L.4	Convert Metric Units of Length	meter, kilometer		
			Unit 4 Ch 8 L.5	Prob. Solving :Field Trip			
	<b>MG 2.1 Identify, describe, and classify polygons</b>	2 questions (3%)	Unit 4 Ch.9 L.1	Hands On: Line Segments and Angles	right angle, parallel lines, line segment, angle, vertex, vertices		
			Unit 4 Ch.9 L.2	Plane Figures	plane figure, polygon, triangle, quadrilateral, pentagon, hexagon, octagon, figure		
	<b>MG 2.2 Identify attributes of triangles</b>	2 questions (3%)	Unit 4 Ch.9 L.3	Hands On: Sort Triangles and Quadrilaterals	triangle, quadrilateral		
			Unit 4 Ch.9 L.4	Triangles	equilateral, isosceles, right, scalene		
	<b>MG 2.3 Identify attributes of quadrilaterals.</b>	2 questions (3%)	Unit 4 Ch.9 L.5	Quadrilaterals	quadrilateral, rectangle, parallelogram, square		
			Unit 4 Ch.9 L.6	Problem Solving: Draw a Picture			
	MG 1.1 Choose the appropriate tools and units (metric and U.S.) and estimate and measure the length, liquid volume, and weight/mass	1 questions (2%)	Unit 4 Ch.10 L.1	Hands On: Explore Perimeter	perimeter, figure, polygon		
			Unit 4 Ch.10 L.2	Find Perimeter	length, width, long, wide, perimeter		
	MG 1.4 Simple unit conversions within a system of measurement	1 questions (2%)	Unit 4 Ch.10 L.3	Hands On: Explore Area,	area, square unit, figure, cube		
Unit 4 Ch.10 L.4			Find Area	area			
MG 2.4 Identify right angles	2/3 (rotated every two out of three years)						
MG 2.5 Identify, describe, and classify common 3-D	2/3 (rotated)						

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geometric objects  MG 2.6 Identify solid objects that are parts of a more complex solid object	every two out of three years)	Unit 4 Ch.10 L.5	Problem Solving: Find a Pattern	perimeter, area		
	2/3 (rotated every two out of three years)	Unit 4 Ch.11 L.1	Hands On: Build Solids	faces, edges, vertices,		
		Unit 4 Ch.11 L.2	Solid Figures	rectangular prism, cube, sphere, cone, cylinder, square pyramid		
		Unit 4 Ch. 11 L.3	Hands On: Explore Volume	volume, estimate		
		Unit 4 Ch.11 L.4	Find Volume	cubic unit		
		Unit 4 Ch.11 L.5	Perimeter, Area, or Volume?	perimeter, area, volume		

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12/12/11 to 1/18/12	<b>NS 2.3 Use the inverse relationship of multiplication and division to compute and check results</b>	3 questions (5%)	Unit 5 Ch.12 L.1	Hands On: Model Division	divide, equal groups, division	UA and EL activities pp. 255G, 259, 260B  Math Centers pp. 258C-258D  EL Resources Book pp. 24 -25  Benchmark Worksheet 12.1, 12.3. 12.4. 12.5  Strategic Lesson NS 40, NS41	<b>Key Standard Unit 5 Quiz NS 2.3 1/18/12 Due 1/21/12</b>
			Unit 5 Ch.12 L. 2	Relate Division and Multiplication	factor, product, inverse operations, dividend, divisor, quotient		
	AF 2.1 (Tested in Unit 10)	3 questions (5%)	Unit 5 Ch.12 L.3	Different Ways to Divide	repeated subtraction		
	NS 1.2 Compare and order numbers to 10,000	1 questions (2%)	Unit 5 Ch.12 L.4	Practice Dividing by 2, 5, 10	equal groups		
	NS 2.6 Special properties of 0 and 1	1 questions (2%)	Unit 5 Ch.12 L.5	Prob. Solving: Field Trip			
	NS 2.8 Solve problems that require two or more operations	1 questions (2%)	Unit 5 Ch.13 L.1	Hands On; Use Multiplication Table to Divide	multiple		
	AF 1.1 Use the symbols, $>$ , $<$ , or $=$ to show the relationships between quantities	4 questions (6%)	Unit 5 Ch.13 L. 2	Practice Dividing by 3 or 4	equal groups		
			Unit 5 Ch.13 L.3	Fact Families	fact families, related facts		
	AF 1.2 Problem solve using the right symbol: $+$ , $-$ , $\times$ , $\div$ , $>$ , $<$ , or $=$	1 questions (2%)	Unit 5 Ch.13 L.4	Practice Dividing by 9	factor, product		
			Unit 5 Ch.13 L.5	Problem Solving Plan: Equal Groups Problems	equal groups		
	AF1.3 Select appropriate operational and relational symbols to make an expression true	1 questions (2%)	Unit 5 Ch.14 L.1	Hands On: Division Rules	problem, division, divide		
			Unit 5 Ch.14 L.2	Practice Dividing by 6	fact families		
	AF 2.2 Extend and recognize a linear pattern by its rules	1 questions (2%)	Unit 5 Ch.14 L.3	Practice Dividing by 7	facts		
			Unit 5 Ch.14 L.4	Practice Dividing by 8	group		
Unit 5 Ch.14 L.5			Problem Solving Strategy: Working Backwards				

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1/19/12 to 2/17/12	<b>NS 3.2 Add and subtract simple fractions (e.g. determine that <math>1/8 + 3/8</math> is the same as <math>1/2</math>)</b>	2 questions (3%)	Unit 6 Ch.15 L.1	Hands On: Model Fractions	fraction, shaded numerator, denominator,	Problem solving strategy: too much information	<b>Key Standard Unit 6 Quiz NS 3.2/NS 3.3 2/17/12 Due 3/01/12</b>	
			Unit 6 Ch.15 L.2	Fractions and Groups	numerator, denominator			
			Unit 6 Ch.15 L.3	Hands On: Model Equivalent Fractions	equivalent fractions			
	4 questions (6%)	Unit 6 Ch.15 L.4	Find Equivalent Fractions	equivalent fractions	UA and EI activities pp. 321G, 325, 326B			
		Unit 6 Ch.15 L.5	Compare Fractions	like and unlike denominators				
		Unit 6 Ch.15 L.6	Problem Solving Plan: Too Much Information			Math Centers pp 324C-324D		
		Unit 6 Ch.16 L.1	Add and Subtract Fractions	fraction				
	<b>NS Total 49%</b>	NS 3.0 Understand the relationship between whole numbers, simple fractions, and decimals		Unit 6 Ch.16 L.2	Add Fractions	numerator, denominator	Strategic Lesson NS49	
				Unit 6 Ch.16 L.3	Subtract Fractions	subtraction		
				Unit 6 Ch.16 L.4	Practice Adding and Subtracting Fractions			Benchmark Worksheet 17.1
				Unit 6 Ch.16 L.5	Problem Solving			
	1 questions (2%)	NS 3.1 Compare fractions represented by drawings or concrete materials in show equivalency and to add and subtract simple fractions in context (e.g., $1/2$ of a pizza is the same amount as $2/4$ of another pizza that is the same size; show that $3/8$ is larger than $1/4$ )		Unit 6 Ch.17 L.1	Tenth and Hundredths	tenths, hundredths	Math Centers pp. 364C-364D	Non-Key Unit 6 Quiz NS 3.1 2/15/12 <b>Due 3/01/12</b>
				Unit 6 Ch.17 L.2	Tenths	tenths, decimal, decimal point		
				Unit 6 Ch.17 L.3	Hundredths	tenths, hundredths		
				Unit 6 Ch.17 L.4	Hands On: Relate Fractions, Decimals, Money	half-dollar, quarter, nickel, fractions, decimals, money		
				Unit 6 Ch.17 L.5	Reasonable Answers	reasonable answers		
	1 questions (2%)	NS 3.4 Understand that fractions and decimals are two different representations of the same concept		Unit 6 Ch.18 L1	Hands On: Add and Subtract Money Amounts	equivalent	Math Centers pp. 384C-384D	
				Unit 6 Ch.18 L.2	Hands On: Add Money Amounts	dollar, dime, penny, decimal point, dollar sign		
			Unit 6 Ch.18 L.3	Subtract Money Amounts	addend, sum, difference			
			Unit 6 Ch.18 L.4	Function Tables and Money	function, function table, function rule			
			Unit 6 Ch.18 L.5	Problem Solving Strategy: Write a Number Sentence	change			

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2/27/12 to 3/20/12	<b>NS 2.4 Solve simple problems involving multiplication of multi-digit numbers by one digit numbers</b>	5 questions (8%)	Unit 7 Ch.19 L.1	Hands On: Multiplication Patterns with 10, 100, and 1,000	multiples, product	Math centers pp. 410C-410D	<b>Inspect Blueprint Assessment Form B</b> 2/28/12 <b>Due 3/2/12</b>  <b>Key Standard Unit 7 Quiz NS 2.4</b> 3/20/12 <b>Due 3/23/12</b>
	NS 1.4 Round off to the nearest ten, hundred, thousand	½ (rotated every two years)	Unit 7 Ch.19 L.2	Multiply with Multiples of 10, 100, 1,000	multiple, factors	EL Resources Book pp38-39	
	NS 2.0 Solve problems involving addition, subtraction, multiplication and division	<b>NS Total 49%</b>	Unit 7 Ch.19 L.3	Estimate Products	estimate, round	UA and EL activities pp. 407G, 411, 412B	
			Unit 7 Ch.19 L.4	Prob. Solving: Field Trip	factor, multiple		
			Unit 7 Ch.20 L.1	Hands On: Multiply 2-Digit Numbers	multiplication, product		
			Unit 7 Ch.20 L.2	Multiply 2-Digit Numbers	place value, place name, digit		
			Unit 7 Ch.20 L.3	Hands On: Regroup in Multiplication	regroup, product, estimate		
			Unit 7 Ch.20 L.4	Regroup in multiplication	regroup		
			Unit 7 Ch.20 L.5	Problem Solving: Use a simpler problem	simple, simpler		
			Unit 7 Ch.21 L.1	Hands on: multiply greater numbers	ones, tens, hundreds		
			Unit 7 Ch.21 L.2	Multiply a 3 digit number by a one digit number	regroup		
			Unit 7 Ch.21 L.3	Regroup more than once	digit, regroup		
			Unit 7 Ch 21 L 4	Multiply Money	nearest dollar, nearest ten dollar, decimal, whole number		
			Unit 7 Ch. 21 L.5	Problem solving strategy: make a table	input, output, function table		

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3/21/12 to 4/06/12	<b>SDAP 1.2 Record the possible outcomes for a simple event and systematically keep track of the outcomes when the event is repeated many times</b>	2 questions (3%)	Unit 8 Ch.22 L.1	Organize Data	data, survey	Math Centers pp. 472C-472D  EL Resources Book pp. 44-45	<b>Key Standard Unit 8 Quiz SDAP 1.2 / SDAP 1.3 4/06/12 Due 4/16/12</b>  Non-Key Unit 8 Quiz SDAP 1.1 4/05/12 <b>Due 4/16/12</b>
			Unit 8 Ch.22 L.2	Line Plots	line plot		
			Unit 8 Ch.22 L.3	Pictograph	pictograph, key		
			Unit 8 Ch.22 L.4	Bar Graph	bar graph, scale		
			Unit 8 Ch.22 L.5	Choose a Graph to Display Data	graph		
	<b>SDAP 1.3 Summarize and display the results of probability experiments in a clear and organized way</b>	2 questions (3%)	Unit 8 Ch.23 L.1	Hands On: Record Outcomes	outcome, probability, equally likely,	Math Centers pp. 494C-494D  El Resources Book pp. 46-47	
			Unit 8 Ch.23 L.2	Probability	certain, likely, unlikely, impossible		
			Unit 8 Ch.23 L.3	Hands On: Make predictions	outcome, predict		
	SDAP 1.1 Identify whether common events are certain, likely, unlikely or improbable	1 questions (2%)	Unit 8 Ch.23 L.4	Make Predictions	probability, outcome, equally likely, certain, likely, unlikely, impossible, predict	UA and EL activities pp. 469G, 495, 498B	
			Unit 8 Ch.23 L.5	Problem Solving: Field Trip			
SDAP 1.4 Use the results of probability experiments to predict future events	N/A	Unit 8 Ch.23 L.5	Problem Solving: Field Trip	boomtown, ghost town			

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4/16/12 to 5/18/12	<b>NS 2.3 Use the inverse of multiplication and division to compute and check results</b>	3 questions (5%)	Unit 9 Ch.24 L.1	Hands On: Equal Groups	dividend, divisor, quotient	UA and EL activities pp. 321G, 385, 398B  Math Centers pp. 522C-522D  Math Centers pp. 484C Problem solving 12.5, 21.4  EL Resources Book pp. 6-7 -584D	<b>Key Standard Unit 9 Quiz NS 2.3/NS 2.4 5/18/12 Due 5/22/12</b>  Non-Key Unit 9 Quiz NS 2.5 5/17/12 <b>Due 5/22/12</b>  <b>CST Window</b>
	<b>NS 2.4 Solve simple problem involving multiplication of multi-digit number by one-digit number</b>	5 questions (8%)	Unit 9 Ch.24 L.2	Hands On: Repeated Subtraction	dividend, divisor, quotient		
			Unit 9 Ch.24 L.3	Use Multiples	multiples		
			Unit 9 Ch.24 L.4	Problem Solving Plan: Total Cost and Unit Cost	unit cost, total cost, table,		
	<b>NS 3.3 Solve problems involving addition, subtraction, multiplication and division of money amounts in decimal notation</b>	4 questions (6%)	Unit 9 Ch.25 L.1	Hands On: Divide 2-digit Numbers	divide		
			Unit 9 Ch.25 L.2	Hands On: Regroup in Division	regroup		
			Unit 9 Ch.25 L.3	Divide 2-digit Numbers	divisor, quotient		
			Unit 9 Ch.25 L.4	Problem Solving: Field Trip	unit cost, divide, share equally, how many groups?, how many in each group?		
	<b>NS 2.5 Solve division problems in which a multi-digit number is evenly divided by a one-digit number</b>	1 questions (2%)	Unit 9 Ch.26 L.1	Hands On: Divide 3-digit Numbers	divisor, quotient, divisor, left over, into, equal groups		
	<b>NS 2.7 Determine the unit cost when given the total cost and number of units</b>	1 questions (2%)	Unit 9 Ch.26 L.2	Divide 3 and 4-digit Numbers	greater than, less than, compare, shorter, longer, left over, divisor, <, >, =		
	<b>AF1.1 Represent relationships of quantities in the form of mathematical expressions, equations, or inequalities</b>	4 questions (6%)	Unit 9 Ch.26 L.3	Divide Money *Repeat Lesson Focus: Divide	share equally		
			Unit 9 Ch.26 L.4	Place the First Digit	quotient		
<b>AF 1.3 Select appropriate operational and relational symbols to make an expression true</b>		Unit 9 Ch.26 L.5	Problem Solving Strategy: Multi-step Problems	multi-step			

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Dates	Standard	Questions on CST Blueprints	Lesson	Lesson Description	Academic Vocabulary	Support Resources	Assessments
5/21/12 to 6/8/12	<b>AF 1.1 Represent relationships of quantities in the form of mathematical expressions, equations, or inequations</b>	4 questions (6%)	Unit 10 Ch.27 L.1	Hands On: Estimate and Measure Capacity	capacity, gallon, ounces, cups, pounds Pints, quarts	Math Centers 584 C-D 606C-D  Math Expressions Unit 7  EL Resources 54-55	<b>Key Standard Unit 10 Quiz AF 1.1/AF 2.1 6/06/12 Due 6/07/12</b>
			Unit 10 Ch.27 L.2	Customary Units of Capacity	cups, Pints, quarts, gallon		
	<b>AF 2.1 Solve simple problems involving a relationship between two quantities (for example, find the total cost of more than one item given the cost of each item)</b>	3 questions (5%)	Unit 10 Ch.27 L.3	Hands On: Estimate and Measure Weight	ounce, pound, weight		
			Unit 10 Ch.27 L.4	Customary Units of Weight	ounce, pound, weight		
			Unit 10 Ch.27 L.5	Convert Customary Units and Units of Time	convert		
	<b>NS 2.1 Find the sum or difference of two whole numbers</b>	4 questions (6%)	Unit 10 Ch.27 L.6	Problem Solving: Unit Cost	unit cost		
			Unit 10 Ch.28 L.1	Hands On: Metric Units of Capacity	mass, grams, kilograms, liter, milliliter		
	<b>NS 2.4 Solve simple problems involving multiplication of multi-digit numbers by one-digit numbers</b>	5 questions (8%)	Unit 10 Ch.28 L.2	Hands On: Metric Units of Mass	grams, kilograms, mass		
			Unit 10 Ch.28 L.3	Convert Metric Units	convert		
			Unit 10 Ch.28 L.4	Problem Solving: Field Trip	ten thousands		
	<b>MG 1.1 Choose appropriate tools and units to estimate and measure</b>	1 questions (2%)					
<b>MG 1.4 Carry out simple unit conversions within a system of measurement</b>	1 questions (2%)						



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*Facts Fluency Practice should begin and continue until students know all multiplication and division facts.*

Alum Rock Key Standards	Math Concept/ Category	Chapter	Dates	% of CST Items	Academic Language	Assessment Dates	Support Resources
<b>Review/Diagnostic Assessment/Facts Assessments 1 – 6 days August 23 – August 30</b>							
NS1.1*Read and write whole numbers in the millions.	Numbers through Millions	1.1 1.2 1.3 1.4 1.5	8/31/11 to 9/8/11	3/65 = 5%	word form, standard form, expanded notation, million, digit, period	Quiz Sept. 8  <b>Due Sept. 14</b>	Strategic Intervention *Prerequisite Skill Lessons Book: <b>Pages 1-7</b>
NS1.2* Order and compare whole numbers and decimals to two decimal places.	Ordering Numbers	2.1 2.1 19.4	9/9/11 to 9/14/11	2/65= 3%	compare, is less than, is greater than, order	Quiz Sept. 14  <b>Due Sept 19</b>	Strategic Intervention *Prerequisite Skill Lessons Book: <b>Pages 8 -10</b>
NS1.3* Round whole numbers through the millions to the nearest ten, hundred, thousand, ten thousand, or hundred thousand.	Rounding Numbers	2.3 2.4 3.3 4.2 15.6	9/15/11 to 9/22/11	2/65= 3%	round, estimate	Quiz Sept. 22  <b>Due Sept. 27</b>	Strategic Intervention *Prerequisite Skill Lessons Book: <b>Pages 11-14</b>
NS3.1*Demonstrate an understanding of, and the ability to use, standard algorithms for the addition and subtraction of multi-digit numbers.	Addition and Subtraction	3.1 3.2 3.3 3.4 4.1 4.2 4.3 4.4 6.6	9/23/11 to 10/06/11	3/65 = 5%	commutative property of addition, associative property of addition, zero property of addition, estimate, addend, sum, difference, regroup, inverse operations	Quiz Oct. 6  <b>Due Oct. 11</b>	Strategic Intervention *Prerequisite Skill Lessons Book: <b>Pages 15 – 22, 25 - 32,</b>

NS3.0* Students solve problems involving addition, subtraction, multiplication, and division of whole numbers and understand the relationships among the operations.	Multiplication and Division	6.1 6.2 6.3 6.4 6.5	10/07/11 to 10/14/11		inverse operations, quotient, divisor, dividend, product, factor, remainder, digit, value	Quiz Oct. 14  <b>Due Oct. 19</b>	Strategic Intervention *Prerequisite Skill Lessons Book: <b>Pages 35-58, 65-68, 75-80, 91 -94,</b>
AF1.2* Interpret and evaluate mathematical expressions that now use parentheses.	Expressions and Equations	5.1 5.2 5.3 5.4 5.5	10/17/11 to 10/24/11	5/65 = 8%	evaluate, expression, parenthesis, simplify, equation, inequality, fact family, inverse operation	Quiz Oct. 24  <b>Due Oct. 27</b>	Strategic Intervention *Prerequisite Skill Lessons Book: <b>Pages 143-144</b>
AF1.3* Use parentheses to indicate which operation to perform first when writing expressions containing more than two terms and different operations.	Expressions and Equations	7.1 7.2 7.3 7.4 7.5	10/25/11 to 10/31/11	3/65 = 5%	parenthesis, operation, expression, order of operations, equation, simplify, inequality, fact family, inverse operation	Quiz Oct. 31  <b>Due Nov. 3</b>	Benchmark Intervention *Alternate Approach Worksheets: <b>Pages 33 -36</b>
AF2.1* Know and understand that equals added to equals are equal. AF2.2* Know and understand that equals multiplied by equals are equal.	Manipulating Equations and Solving Equations with 1 variable	8.1 8.2 8.3 8.4 8.5	11/01/11 to 11/10/11	6/65 = 9%	variable, algebraic expression, solve	Quiz Nov. 10  <b>Due Nov. 15</b>  <i>Inspect Blueprint Assessment Form A</i> <i>11/7/11</i> <b>Due 11/14/11</b>	Strategic Intervention *Prerequisite Skill Lessons Book: <b>Pages 135 -142</b> Benchmark Intervention *Alternate Approach Worksheets: <b>Pages 24, 35</b>

<p>NS 3.3* Solve problems involving multiplication of multidigit numbers by two-digit numbers.  NS 3.2* Demonstrate an understanding of, and the ability to use, standard algorithms for multiplying a multidigit number by a two-digit number and for dividing a multi-digit number by a one-digit number; use relationships between them to simplify computations and to check results.</p>	<p>Multiplication</p>	<p>10.1 10.2 10.3 10.4 11.1 11.2 11.3 11.4 11.5</p>	<p>11/14/11 to 12/06/11</p>	<p>3/65 = 5%</p>	<p>factor, multiply, factor, distributive property, product,</p>	<p>Quiz Dec. 6  <b>Due Dec. 9</b></p>	<p>Strategic Intervention *Prerequisite Skill Lessons Book: <b>Pages 69 -74, 81-90</b></p>
<p>NS 3.4* Solve problems involving division of multi-digit numbers by one-digit numbers.  NS 3.2* Demonstrate an understanding of, and the ability to use, standard algorithms for multiplying a multidigit number by a two-digit number and for dividing a multidigit number by a one-digit number; use relationships between them to simplify computations and to check results.</p>	<p>Division and checking your work with multiplication and addition</p>	<p>12.1 12.2 12.3 12.4 12.5 13.1 13.2 13.3 13.4 13.5</p>	<p>12/07/11 to 1/06/12</p>	<p>3/65 = 5%</p>	<p>quotient, dividend, divisor, remainder, regroup, inverse operation, checking your work</p>	<p>Quiz Jan. 6  <b>Due Jan. 11</b></p>	<p>Benchmark Intervention *Alternate Approach Worksheets: <b>Pages 57 -65</b></p>

NS 4.2 Know that numbers such as 2, 3, 5, 7, and 11 do not have any factors except 1 and themselves and that such numbers are called prime numbers.	Prime Numbers and Factors	14.1 14.2 14.3 14.4 14.5	1/09/12 to 1/13/12	$2/65 = 3\%$	prime number, composite number, common factor, divisible, even number, odd number, factor, factor tree	Quiz Jan. 13  <b>Due Jan. 18</b>	Benchmark Intervention *Alternate Approach Worksheets: <b>Pages 67 -70</b> Benchmark Intervention *Alternate Approach Worksheets: <b>Page 68</b>
NS 1.5 Explain different interpretations of fractions, for example, parts of a whole, parts of a set, and division of whole numbers by whole numbers; explain equivalents of fractions.	Fractions and Equivalent Fractions	17.1 17.2 17.3 17.4 18.1 18.2 18.3 18.4 18.5	1/17/12 to 1/27/12	$.5/65$	numerator, denominator, fraction, equivalent fractions, like denominators, improper fraction, mixed number, compare, unlike denominators,	Quiz Jan. 27  <b>Due Jan. 31</b>	Strategic Intervention *Prerequisite Skill Lessons Book: <b>Pages 107-118</b> Benchmark Intervention *Alternate Approach Worksheets: <b>Pages 81 -90</b>
NS 1.2* ( <i>and NS 2.0</i> ) Order and compare whole numbers and decimals to two decimal places.	Understanding Decimals and Adding and Subtracting Decimals	19.4 19.5 20.1 20.2 20.3 20.4	1/30/12 to 2/07/12	$2/65 = 3\%$	decimal number, decimal point, fraction, tenths, hundredths, decimal equivalent, round, decimal, denominator, numerator, estimate	Quiz Feb. 7  <b>Due Feb. 10</b>	Strategic Intervention *Prerequisite Skill Lessons Book: <b>Pages 119-124,133-134</b> Benchmark Intervention *Alternate Approach Worksheets: <b>Page 98, 101</b>

NS 1.7 Write the fraction represented by a drawing of parts of a figure, represent a given fraction by using drawings, and relate a fraction to a simple decimal on a number line.	Relating Fractions to Decimals	19.1 19.2 19.3 19.6	2/08/12 to 2/14/12	$1/65 = 1.5\%$	decimal number, decimal point, fraction, tenths, hundredths, decimal equivalent, round, decimal, denominator, numerator, estimate	Quiz Feb. 14  <b>Due Feb. 17</b>	Strategic Intervention *Prerequisite Skill Lessons Book: <b>Pages 125-132</b> Benchmark Intervention *Alternate Approach Worksheets: <b>Pages 92 -96</b>
NS 1.9* Identify on a number line the relative position of positive fractions, positive mixed numbers, and positive decimals to two decimal places.	Number lines	Chapter 18 REVIEW	2/15/12 to 2/17/12	$3/65 = 5\%$	numerator, denominator, fraction, equivalent fractions, like denominators, improper fraction, mixed number, compare, unlike denominators,	Quiz Feb. 17  <b>Due Feb. 29</b>	Benchmark Intervention *Alternate Approach Worksheets: <b>Pages 87 -90</b> Math Centers pp <b>390C-390D</b>
AF 1.5* Understand that an equation such as $y=3x+5$ is a prescription for determining a second number when a first number is given.	Solving Equations with more than 1 variable	9.1 9.2 9.3 9.4	2/27/12 to 3/07/12	$2/65 = 3\%$	function rule, function table, variable, expression, function, two-variable equation,	<i>Inspect Blueprint Assessment Form B</i> 2/28/12 <b>Due 3/02/12</b>  Quiz March 7  <b>Due March 9</b>	Benchmark Intervention *Alternate Approach Worksheets: <b>Pages 43 -45</b>
NS 1.8* Use concepts of negative numbers (e.g., on a number line, in counting, in temperature, in “owing”)	Temperature and Negative Numbers	16.1 16.2 16.3 16.4	3/08/12 to 3/14/12	$3/65 = 5\%$	integers, positive, negative, opposite, temperature, degree,	Quiz March 14  <b>Due March 16</b>	Strategic Intervention *Prerequisite Skill Lesson Book: <b>Pages 103-106</b> Benchmark Intervention

							*Alternate Approach Worksheets: <b>Pages 77 - 80</b>
MG 2.1* Draw the points corresponding to linear relationships on graph paper (e.g., draw 10 points on the graph of the equation $y=3x$ and connect them by using a straight line.	Graphing Equations	21.1 21.2 21.3 21.4 21.5	3/15/12 to 3/22/12	2/65 = 3%	coordinate, horizontal line, vertical line, y-axis, x-axis, ordered pair, quadrant, plot, origin, axes,	Quiz March 22  <b>Due March 26</b>	Strategic Intervention *Prerequisite Skill Lessons Book: <b>Pages 173 -176</b>
MG 2.2* Understand that the length of a horizontal line segment equals the difference of the $x$ -coordinates.	Graphing: Lengths of Lines	22.1 22.2 22.3 22.4 22.5	½ week  3/23/12 to ↓	2/65 = 3%	coordinate plane, ordered pair, origin, $x$ -coordinate, $y$ -coordinate, horizontal line segment,	No quiz	Benchmark Intervention *Alternate Approach Worksheets: <b>Pages 103 -112</b>
MG 2.3* Understand that the length of a vertical line segment equals the difference of the $y$ -coordinates.	Graphing: Lengths of Lines	Use same lessons as NS2.2	½ week 3/29/12	2/65 = 3%	vertical line segment, coordinate plane, ordered pair, origin, $x$ -coordinate, $y$ -coordinate,	Quiz March 29  <b>Due April 4</b>	Benchmark Intervention *Alternate Worksheets: <b>Pages 103 -112</b>
MG 1.0 Students understand perimeter and area. 1.1 Measure the area of rectangular shapes by using appropriate materials such as square centimeter, square meter, square kilometer, square inch, square yard, or square mile. 1.2 Recognize that rectangles that have the same area can have different perimeters. 1.3	Perimeter and Area	27.1 27.2 27.3 27.4 27.5	4/2/12 To 4/17/12	2/65 = 3%	perimeter, area, square unit, formula, complex figure, length, width, polygon	Quiz April 17  <b>Due April 20</b>	Strategic Intervention *Prerequisite Skill Lessons Book: <b>Pages 153-154,165 -168</b> Benchmark Intervention *Alternate Approach Worksheets: <b>Pages 134 -137</b>

Understand that rectangles that have the same perimeter can have different areas.							
SDAP 1.0 Students organize, represent, and interpret numerical and categorical data and clearly communicate their findings. SDAP 2.0 Students make predictions for simple probability situations.	Data and Probability	23.1 23.2 23.3 23.4 24.1 24.3 24.3	4/18/12 to 4/27/12		survey, data, line plot, median, mode, outlier, double, bar graph, key, interval, line graph	No Quiz	Universal Access and El activities, <b>pp. 507G, 511, 512B</b> Math Music CD track 11 El Resources Book <b>pp. 46-47, 48-49</b>
MG 3.0 Students demonstrate an understanding of plane and solid geometric objects and use this knowledge to show relationships and solve problems.	Plane Figures	25.1 25.3 25.3 25.4 25.5	4/30/12 to 5/11/12		point, line, line segment, endpoint, parallel lines, ray, intersecting lines, perpendicular lines, right angle, obtuse angle, acute angle, polygon, rectangle, square, rhombus, trapezoid, parallelogram, equilateral triangle, isosceles triangle, scalene triangle, obtuse triangle, acute triangle, center, radius, radii,	No Quiz  <b>CST Window</b>	Strategic Lessons <b>MG 1, MG2. MG3</b> Math Centers <b>pp. 556C-556D</b>  EL Resources Book, <b>pp. 50 – 51</b>  Chapter Challenges and Investigations <b>pp145, 147</b>
MG 3.6 Visualize, describe, and make models of geometric solids in terms of the number and shape of faces, edges, vertices.	Solid Figures	28.1 28.2 28.3 28.4 28.5	5/14/12 to 5/20/11		net, face, vertices, edge, vertex, surface, area, volume, cubic units, cubic centimeters	No Quiz	Math Centers <b>pp. 618C-618D</b> EL Resources Book, <b>pp. 56-57</b>

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<b>Approximate Days of Completion (Assessment Dates are in Bold)</b>	<b>Alum Rock Key Standards</b>	<b>Math Concept</b>	<b>Lesson &amp; Assessment Pacing (each line denotes one day)</b>	<b>% of CST Items</b>	<b>Academic Language</b>	<b>Support Resources</b>
<i>Before Aug. 23</i>		<i>Examine student math data: 2010- 11 CST Scores &amp; Last 4th Grade Benchmark</i>				
<b>Aug. 23-26</b>		<b>Administer 5th Grade Math Diagnostic</b>				
Aug. 29 - Aug. 31		Place Value	Whole Numbers Decimals		ones, tens, hundreds, thousands, ten thousands, hundred thousands, millions, tenths,	HM Workmats, Base ten blocks
Sept. 1		Addition	Whole Numbers		sum	Lesson 6.3 Properties of Additions, HM Workmats, Base Ten Blocks, HM Facts Fluency
Sept. 2		Subtraction	Whole Numbers w/ Regrouping		difference	HM Workmats, Base Ten Blocks, HM Facts Fluency
Sept. 6		Multiplication	3 by 1-digit & 3 by 2-digit		product	Lesson 6.4 Properties of Multiplication, HM Facts Fluency
Sept. 7 - Sept. 9		Division	Basic Concept Long Division Reviv		dividend, divisor, quotient	Manipulatives, HM Facts Fluency
<b>Begin Teaching Key Standards</b>  Sept. 12- <b>Sept. 16</b>	5NS1.4* 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., $24 = 2 \times 2 \times 2 \times 3 = 23 \times 3$ ).	Prime Factors	1.1 & 1.2 1.3 1.4 1.5 Review Assess Due 9/20/11	5%	Product, Prime, Composite, Factor, Factor tree, Base, Exponent, Prime factorization, Common factor, Greatest common factor	
Sept. 19 - <b>Oct. 3</b>	5NS2.2* Demonstrate proficiency with division, including division with positive decimals and long division with multidigit divisors.	Division of Whole Numbers and Decimals	14.1 & 14.2 14.3 14.4 14.5 15.1 15.2 & 15.3 15.4 & 15.5	5%	Quotient, Divisor, Dividend, Place value (millions to thousandths), Digit, Value, Remainder	



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				Review		
				Assess Due 10/05/11		
Oct. 4 - Oct. 14	5NS2.5 Compute and perform simple multiplication and division of fractions and apply these procedures to solving problems.	Multiply and Divide Fractions	2.2	2%	Numerator, Denominator, Simplify, Simplest form, Lowest terms, Product, Mixed number, Whole number, Improper fraction, Reciprocal, Unit fraction	
			2.3			
			10.2			
			10.3			
			11.1 & 11.2			
			11.3			
			11.4			
			Review			
				Assess Due 10/19/11		
Oct. 17 - Nov. 4 (see below)	5NS2.3* 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.	Add & Subtract Fractions / Mixed Numbers	7.1 & 7.2	8%	Like denominators, Unlike denominators, Equivalent fractions, Value, Common denominator, Least common denominator, Mixed numbers, Whole numbers, Improper fractions, Sum, Difference, Rename fractions, Inverse operations	
			7.3 & 7.4			
			8.1 & 8.2			
			8.3			
			9.1 & 9.2			
			9.3			
			9.4			
			Review			
			Review			
Nov. 7 - Nov. 22	5NS2.1* (part 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.	Add, Subtract, Multiply, (Divide) Decimals	12.2	11%	Place value (millions to thousandths), Rounding, Estimating, Expression, Sum, Difference, Product, Factors, Inverse operations, Proper fraction	
			12.3			
			13.1			
			13.2			
			13.3			
			13.4			
			13.5			
			13.6			
			Review			
Nov. 7	<b>INSPECT Blueprint Form A</b>		<b>Due 11/14/2011</b>			
				4.1	Decimal, Decimal point, Decimal value, Digit, Place	
				4.2		

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Nov. 28 - Dec. 14	5NS1.2* 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.	Percent, Decimal, Fraction Relationships	4.3	8%	Decimal value, Digit, Place value (millions to thousandths), Standard form, Period, Expanded form, Power of 10, Word form, Whole number, Rounding, Numerator, Denominator, Common denominator, Unit fraction, Percent, Division, Equivalent fractions, Compare, Circle graph
			Review		
			23.1		
			23.2		
			23.3		
			23.4		
			24.3		
			23.5		
			24.2		
			Review		
Assess Due 12/16/11					
Dec. 15 - Jan. 10	5NS2.1* (Part 2) Add, subtract, multiply, and divide with decimals; add with negative integers; subtract positive integers from negative integers; and verify the reasonableness of the results.	Integers	25.1 & 25.2	11%	Opposite, Absolute value, Integer, Positive, Negative, Number value, Inverse
			25.3 & 25.4		
			26.1		
			26.2		
			26.3		
			Multiply & Divide Integers (supplement)		
			Review		
Assess Due 01/13/12					
Jan. 11 - Jan. 18	5NS1.5* Identify and represent on a number line decimals, fractions, mixed numbers, and positive and negative integers.	Number Lines	4.3 (supplement)	3%	Number line, Fraction, Decimal, Mixed number, Whole number, Improper fraction, Proper fraction, Unit
			4.4 (supplement)		
			Supplement		
			Review		
			Assess Due 01/20/12		
Jan. 19 - Jan. 31	5AF1.2* Use a letter to represent an unknown number; write and evaluate simple algebraic expressions in one variable by substitution.	Variables, Evaluation, Substitution	5.1	9%	Variable, Expression, Algebraic expression, Evaluate, Equation, Inverse operations, Value
			5.2		
			5.3		
			5.4		
			Review		
			6.1 & 6.2		
			Distributive Property w/ Solving for Variable (supplement)		
			Review		

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			Assess Due 02/02/12			
Feb. 1 - Feb. 7	5AF1.4* Identify and graph ordered pairs in the four quadrants of the coordinate plane.	Graph Ordered Pairs	17.1	8%	Ordered pair, Coordinate plane/grid/graph, Quadrant, x-axis, y-axis, Origin, x-coordinate, y-coordinate	
			27.1			
			27.2			
			Review			
			Assess Due 02/09/12			
Feb. 8 - March 8	5AF1.5* Solve problems involving linear functions with integer values; write the equation; and graph the resulting ordered pairs of integers on a grid.	Linear Functions, Function Tables, Graphing	5.5	8%	Function, Function table, Graph, Parentheses, Exponents, Order of operations	
			17.2			
			17.3			
			17.4			
			17.5			
			27.3			
			27.4			
			28.1			
			28.2			
			28.3			
			28.4			
			Review			
			Assess Due 03/09/12			
<b>Feb. 28 INSPECT Blueprint Form B Due 03/02/12</b>						
Mar. 9 - March 16	5MG2.1* Measure, identify, and draw angles, perpendicular and parallel lines, rectangles, and triangles by using appropriate tools (e.g., straightedge, ruler, compass, protractor, drawing software).	Angles	18.1	5%	Ray, Vertex, Protractor, Degrees, Acute, Obtuse, Right, straight line, Line segment, Parallel, Perpendicular, Intersecting	
			18.2			
			18.3			
			Review			
			Assess Due 03/19/12			
Mar. 19 - March 23	5MG2.2* 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.	Sum of Angles	19.1	6%	Angle, Degrees	
			19.2			
			19.3			
			Review			
			Assess Due 03/28/12			
	5MG1.1* Derive and use the formula for the area of a triangle and of a parallelogram by comparing it with the formula for		Perimeter (supplement)		Triangle, Equilateral, Isosceles, Scalene, Right, Acute, Obtuse,	
			Area of Rectangles (supplement)			
			20.3			

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Mar. 26 - <b>April 6</b>	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).	Area & Perimeter	21.1 & 21.2	3%	Quadrilateral, Rectangle, Square, Parallelogram, Rhombus, Trapezoid, Congruent, Area, Parallelogram, Triangle, Base, Height	
			Area of Parallelogram (supplement)			
			21.3 & 21.4			
			Area of Triangle (supplement)			
			Review			
Assess Due 04/18/12						
April 16 - <b>Apr. 20</b>	5MG1.2* Construct a cube and rectangular box from two-dimensional patterns and use these patterns to compute the surface area for these objects.	Surface Area	22.1	2%	Net, Rectangular prism, Edge, Face, Cube, Surface, Area, Complex Figure, Perimeter	
			22.3			
			Surface Area (supplement)			
			Review			
			Assess Due 04/25/12			
Apr. 23 - <b>Apr. 27</b>	5MG1.3* 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.	Volume	22.2	5%	Cube, Cubic unit, Volume	
			22.4			
			Volume (supplement)			
			Review			
			Assess Due 05/02/12			
<i>Apr. 11 - 15 CST/Review Key Standards Based on Student Data 5th Grade Summative Assessment (Optional)</i>						
April 30 -May 4 Window	CST SDAP 1.1 Know the concepts of mean, median, and mode; compute and compare simple examples to show that they may differ	Mean, Median, Mode	16.1		Data, Mean, Median, Mode	
			16.2			
			Mean, Median, Mode (supplement)			
May 7 - May 16 CST Window	SDAP 1.2 (Also SDAP 1.3 & AF 1.1) 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.	Data & Graphs	16.3		Data, Line Graph, Circle Graph, Histogram	Use HM Chapter 16 Test to Assess MMM and Data & Graphs
			Line Graphs (supplement)			
			16.4			
			Circle Graphs (supplement)			
			16.5			
			Histograms (supplement)			
			16.6			
Assess Due 05/18/12						

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May 17 - May 21	AF 1.3 Know and use the distributive property in equations and expressions with variables. (Also properties of addition and multiplication)	Properties	6.2		Distributive Property, Partial Product, Commutative Property, Associative Property, Identity Property, Zero Property	Use HM Chapter 6 Test to Assess
			6.3			
			6.4			