

**Mt. Diablo Unified School District**  
**Grade 4 Suggested Pacing Guide for 2008-09**  
**Text: Houghton-Mifflin Mathematics, California Edition**

<b>Number of Days</b>	<b>Topics: Content, Textbook Section, Assessments</b>	<b>CA Content Standards</b>
<b>11</b>	<b>Chapter 1: Place Value</b>	
2	Lessons 1 and 6: Hundred Thousands and Hundred Millions	NS 1.0, 1.1 MR 2.4
2	Lessons 2 and 7: Compare and Order Numbers	NS 1.0, 1.1, 1.2, MR 1.1, 2.3, 2.4, 2.0
2	Lessons 3 and 8: Rounding Numbers	NS 1.0, 1.3, MR 2.3, 2.4, AF 1.0
1	Lesson 4: Estimation and Quick Test Prep	MR 1.0, 2.0
1	Lesson 5: How Big is One Million (Hands On)	NS 1.0, 1.1, MR 1.0, 1.2
1	Problem Solving/ Additional Support (Problem Solving Int. Masters pp. 4 and 5)	MS 1.0, 1.1, 2.0, 2.3, 3.0, 3.2
1	Review/ Re-teach (Study Guide Chapter Test Textbook)	
1	Chapter 1 Test	

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<b>14</b>	<b>Chapter 2: Addition, Subtraction, Algebraic Expressions</b>	
2	Front Load/Review Vocabulary Lesson 1: Addition Properties	NS 3.0, AF 1.0, 1.1, 1.2, 1.3, MR 2.3, 2.4, 3.2
2	Lessons 2 and 3: Add and Subtract Whole Numbers (1 Problem from Chapter 7)	NS 3.0, 3.1, 2.1, AF 1.0, 1.4, SDAP 1.0, MR 1.1, 2.4
1	Lessons 4 and 5: Estimation (From Lesson 5 select problems on estimating to reinforce Lesson 4)	NS 1.3, 2.1, 2.2, MR 1.1, 2.4
1	Lesson 6: Subtract Across Zeros (2 Problems from Chapter 7)	NS 2.1, 3.1, MR 2.1
1	Quick Check and 8: Expressions and Equations	AF 1.0, 1.1, 1.2, 1.3, MR 2.3
1	Lesson 9: Write and Evaluate Algebraic Expressions	AF 1.0, 1.1
1	Lesson 10: Write and Solve Equations	AF 1.0, 1.1, 1.5, SDAP 1.3, MR 1.1, 2.4
1	Lesson 11: Solving Addition Equations (Hands On)	AF 1.1, 2.0, 2.1, MR 2.3
1	Lesson 12: Equations w/ Two Variables	AF 1.1, 1.5, MR 2.3
1	Lesson 13: Problem Solving/ Guess and Check	MR 1.2, 2.0, 2.6, 3.1, 3.2
1	Review/ Re-teach (Study Guide Chapter Test Text)	
1	Chapter 2 Test	

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<b>14</b>	<b>Chapter 3: Relating Multiplication and Division; Algebra</b>	
1	Front Load/ Review Vocabulary and Lesson 1: Use Doubles to Multiply	NS 3.0, MR 1.1, 2.3, 2.4
1	Lesson 2: Multiplication Properties	NS 3.0, AF 1.1, 1.2, MR 2.3
1	Lesson 3: Use Patterns to Multiply	NS 3.0
2	Quick Check/ Lessons 4 and 5: Relate Multiplication and Division; Use Doubles to Divide	NS 3.0
1	Lesson 6: Division Rules	AF 1.1, MR 2.3
1	Lesson 7: Divide by 5, 7, 9, or 10	NS 3.4
1	Lesson 8: Division with Remainders	NS 3.0
1	Lesson 9: Problem Solving Multi-Step Problems (Problem Solving Int. Masters for support pp. 25-26)	NS 3.4
1	Lesson 10: Write and Evaluate Expressions	AF 1.1
1	Lesson 11: Write and Solve Equations	AF 1.1, 1.5
1	Lesson 12: Problem Solving Using Patterns (Problem Solving Int. Masters pp. 28-29)	AF 1.1
1	Lesson 13: Solve Multiplication Equations	AF 2.2
1	Review and Re-teach (Study Guide Chapter Test Prep Text)	
1	Chapter 3 Assessment	

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<b>20</b>	<b>Chapter 4: Multiplication and Division</b>	
1	Frontload and Review Vocabulary	
1	Lessons 1 and 10: Multiples of 10, 100, and 1000	NS 3.0, 3.3, MR 1.1, 2.3
2	Lessons 2 and 3: Multiplication by 1 and 2-digit Numbers	NS 3.0, AF 1.1
2	Lessons 3 and 6: Multiplication by 3-digit Numbers (Pictograph from Lesson 3)	NS 3.0, AF 1.1, 1.2
1	Lesson 4: Estimate Products	NS 1.2, 3.0
1	Lesson 5: Problem Solving – Find a Pattern	MR 1.0, 1.1, 1.2, 2.0, 3.0, 3.2
2	Lessons 7 and 8: Multiply with Greater Numbers and Zero	NS 1.2, 3.0
1	Lesson 9: Choose the Operation Quick Check	NS 3.3
½	Lessons 11-12: Multiply by 2 and 3-digit Numbers	NS 3.2, 3.3
½	Lesson 12: Multiply 2-digit by 3-digit Numbers	NS 1.2, 3.2, 3.3
2	Chapter Review and Assessment	NS 3.0
1	Chapter 1-4 Review	
1	Trimester 1 Test	
4	Catch-up Days – Review Where Needed	

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<b>Number of Days</b>	<b>Topics: Content, Textbook Section, Assessments</b>	<b>CA Content Standards</b>
<b>19</b>	<b>Chapter 5: One-Digit Divisors</b>	
1	Lesson 1: Modeling Division (Front Load, Review Vocabulary)	NS 3.2
1	Lesson 2: 2-digit Quotients	NS 3.2, 3.4
1	Lesson 3: Regrouping in Division	NS 3.2, 3.4
1	Lesson 4: Interpreting Remainders (Problem Solving for Success)	NS 1.4, 3.4
1	Quick Check and Lesson 5: Divide Multiples of 10, 100, 1000	NS 3.4
1	Lesson 6: 3-digit Quotients	NS 3.2, 3.4
1	Lesson 7: First Digit of the Quotient	NS 3.2, 3.4
1	Lesson 8: Divide Money	Rev. Gr. 3 standards
1	Lesson 9: Zeros in the Quotient	NS 3.2, 3.4
1	Lesson 10: Work Backward (Problem Solving for Success)	MR 1.1, 1.2, 2.0, 3.0, 3.1, 3.2
1	Quick Check and Lesson 11: Divisibility Rules	NS 3.2, 4.1
1	Lesson 12: Prime and Composite Numbers	NS 4.2
1	Lesson 15: Estimate Quotients	NS 3.0
1	Lesson 16: Divide Greater Numbers	NS 3.2, 3.4

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Number of Days	Topics: Content, Textbook Section, Assessments	CA Content Standards
	<b>Chapter 5: One-Digit Divisors (continued)</b>	
1	Lesson 17: Use Operations (Problem Solving)	MR 1.0
1	Quick Check and Review Chapter 5 (Study Chapter Test in Textbook)	MR 1.0
1	Chapter 5 Test	
2	Catch-up Days – Review Where Needed	

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7	<b>Chapter 6 and 11: Measurement and Negative Numbers</b>	
1	Lesson 9: Degrees Fahrenheit and Negative Numbers	NS 1.8, MR 1.1, 2.3
1	Lesson 11: Use Temperature	NS 1.8
2	Supplemental Lessons on Integers	NS 1.8
1	Chapter 11, Lesson 5: Integers	NS 1.8
1	Chapter 11, Lesson 8: Choose a Strategy	NS 1.8
1	Quick Check/ Test Prep/ Review for Chapter Review	

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<b>Number of Days</b>	<b>Topics: Content, Textbook Section, Assessments</b>	<b>CA Content Standards</b>
<b>12</b>	<b>Chapter 11: Graphing and Algebra</b>	
2	Frontload Vocabulary and Review Lessons 1 and 2: Graphing Ordered Pairs	MG 2.0
1	Lesson 3: Graphs of Functions	MG 2.1
1	Lesson 4: Use a Graph	MG 1.3
2	Quick Check and Lesson 5: Integers (attach page on negative numbers)	NS 1.8
1	Lesson 8: Choose a Strategy	NS 1.8
2	Lesson 9: Find Lengths on a Coordinate Plane	MG 2.2, 2.3
1	Lesson 10: Use a Graph	MG 2.1, SDAP 1.1, 1.3
2	Chapter Review and Assessment	

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<b>Number of Days</b>	<b>Topics: Content, Textbook Section, Assessments</b>	<b>CA Content Standards</b>
<b>14</b>	<b>Chapter 7: Fractions and Mixed Numbers</b>	
1	Front Load Vocabulary and Review Examples	
1	Lesson 1: Represent Fractions	NS 1.0, 1.5, 1.7
1	Lesson 2: Fractional Part of a Number	NS 1.0, 1.5
1	Lesson 3: Model Equivalent Fractions “Teaching Tools”	NS 1.0, 1.5, 1.9
1	Lesson 4: Equivalent Fractions	NS 1.5, 1.9, AF 2.2
1	Lesson 5: Draw a Picture; Quick Check	MR
1	Lesson 6: Compare and Order Fractions	NS 1.5, 1.9
1	Lesson 7: Write Mixed Numbers	NS 1.9
1	Lesson 8: Choose How to Write the Quotient	MR 1.0, 2.0, 2.4, 3.2, 3.3
1	Lesson 9: Add with Like Denominators	NS 2.1
1	Lesson 10: Subtract with Like Denominators	Extends Standards
3	Chapter Review and Assessment	

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<b>15</b>	<b>Chapter 8: Decimals</b>	
2	Front Load Vocabulary and Review Lesson 1: Fractions and Decimals – Manipulatives	NS 1.0, 1.6, 1.7
1	Lesson 2: Mixed Numbers and Decimals	NS 1.0, 1.6, 1.7
1	Lesson 3: Fractions and Decimal Equivalents	NS 1.0, 1.6, 1.7
1	Lesson 4: Compare and Order Decimals	NS 1.0, 1.2, 1.9
1	Lesson 5: Compare and Order Fractions, Mixed Numbers, and Decimals	NS 1.9
1	Lesson 6 and Quick Check: Find a Pattern	MR 1.0, 1.1, 2.3, 3.0, 3.2
1	Lesson 7: Add and Subtract Decimals	NS 2.0, 2.1
1	Lesson 8: Use Decimals	MR , NS 2.0, 2.1
1	Lesson 9: Rounding Decimals	NS 2.2
1	Lesson 10: Estimating	NS 2.1, 2.2
1	Lesson 11: Choose a Computation Method	NS 2.1, MR
2	Chapter Review and Assessment	
1	Trimester 2 Assessment	

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<b>13</b>	<b>Chapter 9: Statistics and Probability</b>	
1	Front Load Vocabulary and Review Lesson 1: Collect and Organize Data – Mini Lesson	
1	Lesson 2: Mean, Media, and Mode	SDAP 1.1, 1.2, 1.3
1	Lesson 3: Use Bar Graphs	SDAP 1.1, 1.2, 1.3
1	Lessons 4 and 5: Line Graphs	SDAP 1.0, 1.3
1	Lesson 6: Quick Check	MR
1	Lessons 7 and 8: Probability and Outcomes	SDAP 2.0
1	Lesson 9: Making Predictions	SDAP 1.1, 1.3, 2.2
1	Lesson 10: Represent Outcomes	SDAP 1.0, 2.0, 2.1, 2.2
1	Lesson 11: Quick Check	SDAP 2.2
2	Chapter Review and Assessment	
2	Catch-up/ Review	

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<b>7</b>	<b>Chapter 10: Geometry and Measurement</b>	
2	Front Load Vocabulary and Review Lessons 1 and 2: Points, Lines, Line Segments, Rays, and Angles	MG 3.0, 3.1
1	Lesson 5: Circles	AF 1.4, MG 3.0, 3.2, 3.5
1	Lesson 9: Modeling Perimeter and Area	MG 1.0, 1.2, 1.3, 3.8
1	Lesson 10: Use Formulas for Perimeter and Area	AF 1.0, 1.2, 1.4, MG 1.1, 1.4
2	Lesson 11: Perimeter and Area of Complex Figures	AF 1.0, 1.4, MG 1.0, 1.1, 1.4
	STAR	

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13	<b>Chapter 6 and 10: Measurement and Geometry</b> <b>End of the Year Cumulative Review</b>	
2	Chapter 1, Lessons 10-12: Compare Money Amounts, Making Change	NS 1.2, MR
1	Chapter 6, Lesson 1: Inch, Half Inch, and Quarter Inch	NS 1.4
1	Chapter 6, Lesson 2: Perimeter and Customary Units of Length	NS 3.3, 3.4
1	Chapter 6, Lesson 3: Customary Units of Capacity and Weight	AF 1.4, MR
1	Chapter 10, Lesson 3: Polygons and Quadrilaterals	MG 3.0, 3.3, 3.8
1	Chapter 10, Lesson 4: Classify Triangles	MG 3.4
1	Chapter 10, Lessons 6 and 7: Congruent Figures and Symmetry	MG 3.4
1	Chapter 10, Lesson 8: Use Models to Act It Out	MG 3.0, 3.3, 3.8
1	Chapter 10 Quick Check, Lessons 12 and 13: Solid Figures and Nets	MR, MG 3.0, 3.6
1	Chapter 10, Lesson 14: Surface Area	MG 1.1, 1.4, 3.0, 3.6
1	Chapter 10, Lesson 15: Volume	AF 1.4, MG 3.0, 3.6
1	End of the Year Assessment	