

Prentice Hall Mathematics, Course 1 (c) 2008  
 Correlated to:  
**WYOMING MATHEMATICS CONTENT AND PERFORMANCE STANDARDS**  
 (Grade 6)

WYOMING STATE STANDARDS FOR MATHEMATICS	PAGE(S) WHERE TAUGHT (If submission is not a text, cite appropriate resource(s))
<b>CONTENT STANDARD 1. NUMBER OPERATIONS AND CONCEPTS</b>	
<b>Students use numbers, number sense, and number relationships in a problem-solving situation.</b>	
<b>1. Students use the concept of place value to read and write decimals (to 1000ths) in words, standard, and expanded form.</b>	<i>SE/TE:</i> 21-25, 612, 636
	<i>TR:</i> Activity Lab 1-5, Daily Notetaking Guide 1-5, Adaptive Notetaking 1-5
	<i>TECH:</i> Transparencies, PHSchool.com (web codes are on page T23), Homework Video Tutor, Exam View CD-Rom; Teacher Express CD-Rom, Interactive Textbook, Student Manipulatives Kit, Base-ten Pieces, Grid Models
<b>2. Students multiply decimals (10ths &amp; 100ths) and divide whole numbers by 2-digit divisors and divide decimals by whole numbers.</b>	<i>SE/TE:</i> 2D, 37-48, 53, 56-57, 641-642
	<i>TR:</i> Activity Lab 1-8, 1-9, Daily Notetaking Guide 1-8, 1-9, Adaptive Notetaking 1-8, 1-9, Guided Problem Solving 1-8, 1-9, Practice 1-8, 1-9, Adapted Practice 1-8, 1-9, Reteaching 1-8, 1-9, Enrichment 1-8, 1-9
	<i>TECH:</i> Transparencies, 1-8, 1-9 PHSchool.com (web codes are on page T23), Homework Video Tutor, Exam View CD-Rom; Teacher Express CD-Rom, Interactive Textbook 1-8, 1-9, Student Manipulatives Kit, base-ten pieces, Calculator, Graph Paper, Classroom Aid 2, 10
<b>3. Students represent the number line using integers.</b>	<i>SE/TE:</i> 514C, 516-519
	<i>TR:</i> , Daily Notetaking Guide 11-1, Adaptive Notetaking 11-1 Guided Problem Solving 11-1, Practice 11-1, Adapted Practice 11-1, Reteaching 11-1, Enrichment 11-1

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	<i>TECH:</i> Transparencies, 11-1, PHSchool.com (web codes are on page T23), Homework Video Tutor, Exam View CD-Rom; Teacher Express CD-Rom, Interactive Textbook 11-1
<b>4. Students explain their choice of estimation and problem solving strategies and justify results when performing number operations with fractions and decimals in problem-solving situations.</b>	<i>SE/TE:</i> 34, 40, 46, 49, 91, 214, 219, 224, 230, 235, 242, 244, 263, 269, 274, 284, 286
<b>5. Students identify prime and composite numbers and apply prime factorization to numbers less than 100.</b>	<i>SE/TE:</i> 156C, 166-170, T650, T655
	<i>TR:</i> Activity Lab 4-3, Daily Notetaking Guide 4-3, Adaptive Notetaking 4-3, Guided Problem Solving 4-3, Practice 4-3, Adapted Practice 4-3, Reteaching 4-3, Enrichment 4-3
	<i>TECH:</i> Transparencies 4-3, PHSchool.com (web codes are on page T23), Homework Video Tutor, Exam View CD-Rom; Teacher Express CD-Rom, Interactive Textbook 4-3
<b>6. Students demonstrate an understanding of fractions and decimals by:</b>	
<b>representing fractions as division of whole numbers;</b>	<i>SE/TE:</i> 156C-156D, 175, 181
	<i>TR:</i> Activity Lab 4-5, 4-6
	<i>TECH:</i> Inch Ruler, Graph Paper, Classroom Aid 2, 12-14
<b>converting between mixed numbers and improper fractions;</b>	<i>SE/TE:</i> 156D, 181-185
	<i>TR:</i> Activity Lab 4-6, Daily Notetaking Guide 4-6, Adaptive Notetaking 4-6, Guided Problem Solving 4-6, Practice 4-6, Adapted Practice 4-6, Reteaching 4-6, Enrichment 4-6

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	<b>TECH:</b> Transparencies 4-6, PHSchool.com (web codes are on page T23), Homework Video Tutor, Exam View CD-Rom; Teacher Express CD-Rom, Interactive Textbook 4-6, Inch ruler
simplifying fractions and mixed numbers;	<b>SE/TE:</b> 156D, 176-180
	<b>TR:</b> Activity Lab 4-5, Daily Notetaking Guide 4-5, Adaptive Notetaking 4-5, Guided Problem Solving 4-5, Practice 4-5, Adapted Practice 4-5, Reteaching 4-5, Enrichment 4-5
	<b>TECH:</b> Transparencies 4-5, PHSchool.com (web codes are on page T23), Homework Video Tutor, Exam View CD-Rom; Teacher Express CD-Rom, Interactive Textbook 4-5, Inch Ruler, Fraction Calculator, Classroom Aid 11
writing fractions in equivalent forms;	<b>SE/TE:</b> 156D, 176-180
	<b>TR:</b> Activity Lab 4-5, Daily Notetaking Guide 4-5, Adaptive Notetaking 4-5, Guided Problem Solving 4-5, Practice 4-5, Adapted Practice 4-5, Reteaching 4-5, Enrichment 4-5
	<b>TECH:</b> Transparencies 4-5, PHSchool.com (web codes are on page T23), Homework Video Tutor, Exam View CD-Rom; Teacher Express CD-Rom, Interactive Textbook 4-5, Inch ruler, Fraction Calculator, Classroom Aid 11
using parts of a set;	<b>SE/TE:</b> 156C-156D, 175, 181
	<b>TR:</b> Activity Lab 4-5, 4-6
	<b>TECH:</b> Inch ruler, Graph Paper, Classroom Aid 2, 12-14
rounding decimal numbers to 10ths, 100ths, and whole numbers (units) place;	<b>SE/TE:</b> 2, 8, 23-24, 53, 210, 637

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	<b>TR:</b> Daily Notetaking Guide 1-5, Adaptive Notetaking 1-5, Guided Problem Solving 1-5, Practice 1-5, Adapted Practice 1-5, Reteaching 1-5
	<b>TECH:</b> Transparencies 1-5, PHSchool.com (web codes are on page T23), Homework Video Tutor, Exam View CD-Rom; Teacher Express CD-Rom, Interactive Textbook 1-5
<b>and converting between decimals (from .01 to .99), fractions and representing percentages.</b>	<b>SE/TE:</b> 156D, 198-201, 304D, 330-334, 352, 355
	<b>TR:</b> Activity Lab 4-9, 7-6, Daily Notetaking Guide 4-9, 7-6, Adaptive Notetaking 4-9, 7-6, Guided Problem Solving 4-9, 7-6, Practice 4-9, 7-6, Adapted Practice 4-9, 7-6, Reteaching 4-9, 7-6, Enrichment 4-9, 7-6
	<b>TECH:</b> Transparencies 4-9, 7-6, PHSchool.com (web codes are on page T23), Homework Video Tutor, Exam View CD-Rom; Teacher Express CD-Rom, Interactive Textbook 4-9, 7-6, Graph paper, algebra tiles, Student Manipulatives kit, Classroom Aid 10
<b>7. Students add and subtract mixed numbers with like denominators.</b>	<b>SE/TE:</b> 227-237
	<b>TR:</b> Activity Lab 5-4, 5-5, Daily Notetaking Guide 5-4, 5-5, Adaptive Notetaking 5-4, 5-5, Guided Problem Solving 5-4, 5-5, Practice 5-4, 5-5, Adapted Practice 5-4, 5-5, Reteaching 5-4, 5-5, Enrichment 5-4, 5-5
	<b>TECH:</b> Transparencies 5-4, 5-5, PHSchool.com (web codes are on page T23), Homework Video Tutor, Exam View CD-Rom; Teacher Express CD-Rom, Interactive Textbook 5-4, 5-5, Fraction Calculator, Student Manipulatives kit, String, Inch Ruler, Classroom Aid 11

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<b>8. Students represent repeated multiplication in exponential form.</b>	<b>SE/TE:</b> 156C, 162-165
	<b>TR:</b> Activity Lab 4-2, Daily Notetaking Guide 4-2, Adaptive Notetaking 4-2, Guided Problem Solving 4-2, Practice 4-2, Adapted Practice 4-2, Reteaching 4-2, Enrichment 4-2
	<b>TECH:</b> Transparencies 4-2, PHSchool.com (web codes are on page T23), Homework Video Tutor, Exam View CD-Rom; Teacher Express CD-Rom, Interactive Textbook 4-2
<b>CONTENT STANDARD 2. GEOMETRY</b>	
<b>Students apply geometric concepts, properties, and relationships in a problem-solving situation.</b>	
<b>1. Students classify, describe, compare, and draw representations of 1- and 2-dimensional objects and angles.</b>	<b>SE/TE:</b> 360C-360D, 360-383, 385-390
	<b>TR:</b> Activity Lab 8-1, 8-2, 8-3, 8-4, 8-5, , Daily Notetaking Guide 8-1, 8-2, 8-3, 8-4, 8-5, , Adaptive Notetaking 8-1, 8-2, 8-3, 8-4, 8-5, , Guided Problem Solving 8-1, 8-2, 8-3, 8-4, 8-5, , Practice 8-1, 8-2, 8-3, 8-4, 8-5, , Adapted Practice 8-1, 8-2, 8-3, 8-4, 8-5, , Reteaching 8-1, 8-2, 8-3, 8-4, 8-5, Enrichment 8-1, 8-2, 8-3, 8-4, 8-5
	<b>TECH:</b> Transparencies 8-1, 8-2, 8-3, 8-4, 8-5, , PHSchool.com (web codes are on page T23), Homework Video Tutor, Exam View CD-Rom; Teacher Express CD-Rom, Interactive Textbook 8-1, 8-2, 8-3, 8-4, 8-5, Protractor, Compass, Straightedge
<b>2. Students identify and classify congruent objects by properties appropriate to grade level.</b>	<b>SE/TE:</b> 360D, 392-397
	<b>TR:</b> Activity Lab 8-6, Daily Notetaking Guide 8-6, Adaptive Notetaking 8-6, Guided Problem Solving 8-6, Practice 8-6, Adapted Practice 8-6, Reteaching 8-6, Enrichment 8-6

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	<b>TECH:</b> Transparencies 8-6, PHSchool.com (web codes are on page T23), Homework Video Tutor, Exam View CD-Rom; Teacher Express CD-Rom, Interactive Textbook 8-6
<b>3. Students communicate the reasoning used in identifying geometric relationships in problem-solving situations appropriate to grade level.</b>	<b>SE/TE:</b> 363, 365, 373, 374, 376, 377, 379, 381, 383, 385, 387, 389, 394, 395, 403
	<b>TR:</b> Guided Problem Solving 8-1, 8-3, 8-4, 8-8
	<b>TECH:</b> NA
<b>CONTENT STANDARD 3. MEASUREMENT</b>	
<b>Students use a variety of tools and techniques of measurement in a problem-solving situation.</b>	
<b>1. Students apply estimation and measurement of length to content problems and express the results in metric units (centimeters and meters).</b>	<b>SE/TE:</b> 416-420
	<b>TR:</b> Activity Lab 9-1, Daily Notetaking Guide 9-1, Adaptive Notetaking 9-1, Guided Problem Solving 9-1, Practice 9-1, Adapted Practice 9-1, Reteaching 9-1, Enrichment 9-1
	<b>TECH:</b> Transparencies 9-1, PHSchool.com (web codes are on page T23), Homework Video Tutor, Exam View CD-Rom; Teacher Express CD-Rom, Interactive Textbook 9-1, Metric Ruler
<b>2. Students apply estimation and measurement of weight to content problems and express the results in U.S. customary units (ounces, pounds, and tons).</b>	<b>SE/TE:</b> 288-291
	<b>TR:</b> Daily Notetaking Guide 6-6, Adaptive Notetaking 6-6, Guided Problem Solving 6-6, Practice 6-6, Adapted Practice 6-6, Reteaching 6-6, Enrichment 6-6

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<b>3. Students apply estimation and measurement of capacity to content problems and express the results in U.S. customary units (teaspoons, tablespoons, cups, pints, quarts, gallons).</b>	<i>SE/TE:</i> 288-291
	<i>TR:</i> Daily Notetaking Guide 6-6, Adaptive Notetaking 6-6, Guided Problem Solving 6-6, Practice 6-6, Adapted Practice 6-6, Reteaching 6-6, Enrichment 6-6
	<i>TECH:</i> Transparencies 6-6, PHSchool.com (web codes are on page T23), Homework Video Tutor, Exam View CD-Rom; Teacher Express CD-Rom, Interactive Textbook 6-6
<b>4. Students demonstrate relationships within the U.S. customary units for weight and capacity and within the metric system (centimeters to meters) in problem-solving situations.</b>	<i>SE/TE:</i> 288-291, 416-420
	<i>TR:</i> Daily Notetaking Guide 6-6, 9-1, Adaptive Notetaking 6-6, 9-1, Guided Problem Solving 6-6, 9-1, Practice 6-6, 9-1, Adapted Practice 6-6, 9-1, Reteaching 6-6, 9-1, Enrichment 6-6, 9-1
	<i>TECH:</i> Transparencies 6-6, 9-1, PHSchool.com (web codes are on page T23), Homework Video Tutor, Exam View CD-Rom; Teacher Express CD-Rom, Interactive Textbook 6-6, 9-1, Metric Ruler
<b>5. Students determine the area and perimeter of regular polygons and the area of parallelograms, with and without models.</b>	<i>SE/TE:</i> 414C, 426-436

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	<b>TR:</b> Activity Lab 9-3, 9-4, Daily Notetaking Guide 9-3, 9-4, Adaptive Notetaking 9-3, 9-4, Guided Problem Solving 9-3, 9-4, Practice 9-3, 9-4, Adapted Practice 9-3, 9-4, Reteaching 9-3, 9-4, Enrichment 9-3, 9-4
	<b>TECH:</b> Transparencies 9-3, 9-4, PHSchool.com (web codes are on page T23), Homework Video Tutor, Exam View CD-Rom; Teacher Express CD-Rom, Interactive Textbook 9-3, 9-4, Graph Paper, Scissors, Student Manipulatives Kit
<b>CONTENT STANDARD 4. ALGEBRA</b>	
<b>Students use algebraic methods to investigate, model, and interpret patterns and functions involving numbers, shapes, data, and graphs in a problem-solving situation.</b>	
<b>1. Students recognize, describe, extend, create, and generalize patterns, such as numeric sequences, by using manipulatives, numbers, graphic representations, including charts and graphs.</b>	<b>SE/TE:</b> 42, 106C, 108-112, 162, 165, 195, 197, 216, 271, 437, 446
	<b>TR:</b> Activity Lab 3-1, Daily Notetaking Guide 3-1, Adaptive Notetaking 3-1, Guided Problem Solving 3-1, Practice 3-1, Adapted Practice 3-1, Reteaching 3-1, Enrichment 3-1
	<b>TECH:</b> Transparencies 3-1, PHSchool.com (web codes are on page T23), Homework Video Tutor, Exam View CD-Rom; Teacher Express CD-Rom, Interactive Textbook 3-1, Calculator, Classroom Aid 11
<b>2. Students apply their knowledge of patterns to describe a constant rate of change when solving problems.</b>	<b>SE/TE:</b> 108-111
	<b>TR:</b> Activity Lab 3-1, Daily Notetaking Guide 3-1, Adaptive Notetaking 3-1, Guided Problem Solving 3-1, Practice 3-1, Adapted Practice 3-1, Reteaching 3-1, Enrichment 3-1



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<b>3. Students represent the idea of a variable as an unknown quantity, a letter, or a symbol within any whole number operation.</b>	<b>SE/TE:</b> 106C, 112-123, 563, 578-579
	<b>TR:</b> Activity Lab 3-2, 3-3, Daily Notetaking Guide 3-2, 3-3, Adaptive Notetaking 3-2, 3-3, Guided Problem Solving 3-2, 3-3, Practice 3-2, 3-3, Adapted Practice 3-2, 3-3, Reteaching 3-2, 3-3, Enrichment 3-2, 3-3
	<b>TECH:</b> Transparencies 3-2, 3-3, PHSchool.com (web codes are on page T23), Homework Video Tutor, Exam View CD-Rom; Teacher Express CD-Rom, Interactive Textbook 3-2, 3-3
<b>CONTENT STANDARD 5. DATA ANALYSIS AND PROBABILITY</b>	
<b>Students use data analysis and probability to analyze given situations and the results of experiments.</b>	
<b>1. Students systematically collect, organize, and describe/represent numeric data using line graphs.</b>	<b>SE/TE:</b> 58D, 74-77, 79, 395, 554-557
	<b>TR:</b> Activity Lab 2-4, 11-9, Daily Notetaking Guide 2-4, 11-9, Adaptive Notetaking 2-4, 11-9, Guided Problem Solving 2-4, 11-9, Practice 2-4, 11-9, Adapted Practice 2-4, 11-9, Reteaching 2-4, 11-9, Enrichment 2-4, 11-9
	<b>TECH:</b> Transparencies 2-4, 11-9, PHSchool.com (web codes are on page T23), Homework Video Tutor, Exam View CD-Rom; Teacher Express CD-Rom, Interactive Textbook 2-4, 11-9

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2. Students, given a scenario, recognize and communicate the likelihood of events using concepts from probability (i.e., impossible, equally likely, certain) appropriate to grade level.	<b>SE/TE:</b> 474C, 482-486
	<b>TR:</b> Activity Lab 10-2, Daily Notetaking Guide 10-2, Adaptive Notetaking 10-2, Guided Problem Solving 10-2, Practice 10-2, Adapted Practice 10-2, Reteaching 10-2, Enrichment 10-2
	<b>TECH:</b> Transparencies 10-2, PHSchool.com (web codes are on page T23), Homework Video Tutor, Exam View CD-Rom; Teacher Express CD-Rom, Interactive Textbook 10-2