

## Textbook Alignment to the Utah Core

**Instructional Materials Evaluation Criteria: Pre-Algebra, grade 8**

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**Title Prentice Hall Mathematics, Course 3 © 2008 ISBN# 0-13-133993-1 (SE); 0-13-134002-6 (TE)**

**Publisher: Pearson Prentice Hall**

**Name of Person conducting alignment: Jennifer Bailey**

**Overall percentage of coverage of the Utah State Core Curriculum: 86 %**

**Standard I: Students will understand and perform operations with rational numbers, including negative rational numbers.**

**Percentage of coverage for Standard I: 95 %**

Objectives	Indicators	If covered, appropriate page #'s	Comments on coverage
<b>1.1: Compute fluently with understanding and make reasonable estimates with rational numbers.</b>	<b>a.</b> Compute fluently using all four operations with integers, and explain why the corresponding algorithms work.	<b>SE/TE: 15, 16-17, 18-19, 20-21, 22-23, 27, 28, 29-30, 31, 41, 45, 46, 60, 101, 255, 594, 604-605</b>  <b>TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs, Vocabulary and Study Skills Worksheets, Checkpoint Quiz (English and Spanish): 1-2</b>	Instruction and review

		<p><b>TECH: Check Skills You'll Need, Additional Examples, Problem of the Day, Student Edition Answers, Lesson Quiz, Interactive Textbook Online, StudentExpress, Success Tracker, TeacherExpress, Classroom Aid: 1-2, 1-3, PresentationExpress, ExamView, www.phschool.com webcodes: asa-0102, ase-0102, asa-0103, ase-0103</b></p>	
	<p><b>b.</b> Compute fluently using all four operations with rational numbers, including negative fractions and decimals, and explain why the corresponding algorithms work.</p>	<p><b>SE/TE: 66-67, 68-69, 70, 71, 72-74, 75-76, 78-79, 80, 81-82, 83-84, 91 (q), 99, 100, 101, 121, 149, 161, 162-163, 255, 606-607</b></p> <p><b>TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs, Vocabulary and Study Skills Worksheets (English and Spanish): 2-4, Checkpoint Quiz (English and Spanish): 2-4</b></p> <p><b>TECH: Check Skills You'll Need, Additional Examples, Problem of the Day, Student Edition Answers, Lesson Quiz, Classroom Aid, Interactive Textbook Online, StudentExpress, Success Tracker,</b></p>	<p>Instruction and review</p>

		<b>TeacherExpress, PresentationExpress, ExamView, www.phschool.com webcodes: asa-0204, ase-0204, asa-0205, ase-0205</b>	
	<b>c.</b> Check the reasonableness of results using estimation.	<b>SE/TE: 24, 34, 35, 68, 73, 80, 116, 161, 167, 175, 179, 198, 220, 224, 230, 272, 279, 289, 370, 381, 385, 394, 454</b>	Instruction and review
<b>1.2: Analyze relationships among rational numbers, including negative rational numbers, and operations involving these numbers.</b>	<b>a.</b> Compare and order rational numbers in various forms	<b>SE/TE: 2, 11, 12-13, 19, 23, 30, 45, 46, 50, 60, 62-63, 64-65, 69, 70 (q) 99, 100, 121, 184, 212-213, 217, 227, 604, 606, 629</b>  <b>TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs, Checkpoint Quiz (English and Spanish): 1-2</b>  <b>TECH: Check Skills You'll Need, Additional Examples, Problem of the Day, Student Edition Answers, Lesson Quiz, Interactive Textbook Online, StudentExpress, Success Tracker, TeacherExpress, Classroom Aid: 1-2, PresentationExpress, ExamView, www.phschool.com webcodes: asa-0102, ase-0102</b>	Instruction and review

	<b>b.</b> Predict the effect of operating with fractions	<b>SE/TE: 68 (#7), 76 (#39)</b>	Extension to Sections 2-4, 2-5
	<b>c.</b> Recognize and use the identity properties of addition and multiplication	<b>SE/TE: 26, 29</b>  <b>TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs, Vocabulary and Study Skills Worksheet (English and Spanish): 1-5, Checkpoint Quiz (English and Spanish): 1-5</b>  <b>TECH: Check Skills You'll Need, Additional Examples, Problem of the Day, Student Edition Answers, Lesson Quiz, Interactive Textbook Online, StudentExpress, Success Tracker, TeacherExpress, PresentationExpress, ExamView, www.phschool.com webcodes: asa-0105, ase-0105</b>	Instruction and review
	<b>d.</b> Recognize and use the inverse operations of adding and subtracting a fixed number	<b>SE/TE: 33-34, 35-36, 37, 45, 46, 76, 134, 255, 260, 261-262, 262-264, 270, 271-273, 274, 274-277, 277-278, 282-283, 284-285, 287, 295, 296</b>  <b>TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs</b>	Instruction and review

		<p><b>TECH: Check Skills You'll Need, Additional Examples, Problem of the Day, Student Edition Answers, Lesson Quiz, Interactive Textbook Online, StudentExpress, Success Tracker, TeacherExpress, Classroom Aid 1-6, PresentationExpress, ExamView, www.phschool.com webcodes: asa-0106, ase-0106, asa-0107, ase-0107</b></p>	
<p><b>1.3: Solve problems involving rational numbers using addition, subtraction, multiplication, and division.</b></p>	<p><b>a.</b> Recognize the absolute value of a rational number as its distance from zero.</p>	<p><b>SE/TE: 10-11, 12-13, 14, 44, 45, 46</b></p> <p><b>TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs, Checkpoint Quiz (English and Spanish): 1-2</b></p> <p><b>TECH: Check Skills You'll Need, Additional Examples, Problem of the Day, Student Edition Answers, Lesson Quiz, Interactive Textbook Online, StudentExpress, Success Tracker, TeacherExpress, Classroom Aid 1-2, PresentationExpress, ExamView, www.phschool.com webcodes: asa-0102, ase-0102</b></p>	<p>Instruction and review</p>

	<p><b>b.</b> Evaluate numeric expressions, including those with whole number exponents and absolute values using the order of operations.</p>	<p><b>SE/TE: 5-6, 7-8, 11, 12-13, 14, 19, 21, 22, 44, 46, 86-87, 88-89, 90, 91, 95, 99, 100</b></p> <p><b>TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs, Vocabulary and Study Skills Worksheet (English and Spanish): 1-1, Checkpoint Quiz (English and Spanish): 1-2</b></p> <p><b>TECH: Check Skills You'll Need, Additional Examples, Problem of the Day, Student Edition Answers, Lesson Quiz, Interactive Textbook Online, StudentExpress, Success Tracker, TeacherExpress, Classroom Aid: 1-1, 1-2, PresentationExpress, ExamView, www.phschool.com webcodes: asa-0101, ase-0101, asa-0102, ase-0102</b></p>	<p>Instruction and review</p>
	<p><b>c.</b> Solve problems involving rational numbers, percents, and proportions.</p>	<p><b>SE/TE: 66-67, 68-69, 70, 71, 72-74, 75-76, 78-79, 80, 81-82, 83-84, 91 (q), 99, 100, 101, 121, 149, 161, 162-163, 175-176, 177-178, 182, 183-184, 186, 192-193, 194-195, 197-198, 198-200, 201, 203, 204, 214-215, 216-217, 218-220, 220-222, 224-225, 226-227, 229,</b></p>	<p>Instruction and review</p>

		<p>230-231, 232-233, 234-236, 237-238, 239, 240-241, 242-243, 243-244, 245, 251, 253, 254, 255</p> <p><b>TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs, Vocabulary and Study Skills Worksheet (English and Spanish): 2-4, 4-3, 4-4, 5-3, 5-4, Checkpoint Quiz (English and Spanish): 2-4, 4-4, 5-4</b></p> <p><b>TECH: Check Skills You'll Need, Additional Examples, Problem of the Day, Student Edition Answers, Lesson Quiz, Interactive Textbook Online, StudentExpress, Success Tracker, TeacherExpress, Classroom Aid: 4-3, 5-3, 5-4, 5-5, PresentationExpress, ExamView, www.phschool.com webcodes: asa-0204, ase-0204, asa-0205, ase-0205, asa-0403, ase-0403, asa-0404, ase-0404, asa-0503, ase-0503, asa-0504, ase-0504, asa-0505, ase-0505</b></p>	
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**Standard II: Students will use the language of algebra to analyze and represent relationships, including real-world relationships.**

**Percentage of coverage for Standard II: 84 %**

Objectives	Indicators	If covered, appropriate page #'s	Comments on coverage
<p><b>2.1: Generalize and express patterns using algebraic expressions.</b></p>	<p><b>a.</b> Compare representations of a relation using tables, graphs, algebraic symbols, and mathematical rules.</p>	<p><b>SE/TE: 523-524, 525-526, 540-541, 542-543, 546-547, 548-549, 550, 553, 554, 624</b></p> <p><b>TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs, Vocabulary and Study Skills Worksheet (English and Spanish): 11-3</b></p> <p><b>TECH: Check Skills You'll Need, Additional Examples, Problem of the Day, Student Edition Answers, Lesson Quiz, Interactive Textbook Online, StudentExpress, Success Tracker, TeacherExpress, PresentationExpress, ExamView, www.phschool.com webcodes: asa-1103, ase-1103</b></p>	<p>Instruction and review</p>
	<p><b>b.</b> Describe simple patterns using a mathematical rule or algebraic expression.</p>	<p><b>SE/TE: 11-6 513, 515-516, 540-541, 542-543, 544-545, 547, 548, 553, 554, 569, 624</b></p> <p><b>TR: Practice (English and Spanish), Adapted Practice, Guided Problem</b></p>	<p>Instruction and review</p>



		<p><b>Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs, Vocabulary and Study Skills Worksheet (English and Spanish): 11-1</b></p> <p><b>TECH: Check Skills You'll Need, Additional Examples, Problem of the Day, Student Edition Answers, Lesson Quiz, Interactive Textbook Online, StudentExpress, Success Tracker, TeacherExpress, Classroom Aid: 11-1, PresentationExpress, ExamView, www.phschool.com webcodes: asa-1101, ase-1101</b></p>	
	c. Create and extend simple numeric and visual patterns.	<p><b>SE/TE: 85, 91, 129, 132-133, 149, 195, 323, 397, 431, 465, 489, 512-514, 514-516, 517, 552, 554, 570</b></p>	Review
<b>2.2: Evaluate, simplify, and solve algebraic expressions, equations, and inequalities.</b>	a. Evaluate algebraic expressions, including those with whole number exponents, when given values for the variable(s).	<p><b>SE/TE: 5-6, 7-8, 11, 12, 14, 19, 21, 22-23, 44, 46, 87, 89, 90, 95, 100, 101, 104, 258, 300, 604</b></p> <p><b>TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs, Vocabulary and Study Skills Worksheet (English and Spanish): 1-1, Checkpoint Quiz</b></p>	Instruction and review

		<p><b>(English and Spanish): 1-2</b></p> <p><b>TECH: Check Skills You'll Need, Additional Examples, Problem of the Day, Student Edition Answers, Lesson Quiz, Interactive Textbook Online, StudentExpress, Success Tracker, TeacherExpress, classroom aid 1-1, 102, PresentationExpress, ExamView, www.phschool.com webcodes: asa-0101, ase-0101, asa-0102, ase-0102</b></p>	
	<p><b>b.</b> Simplify algebraic expressions using the properties of algebra.</p>	<p><b>SE/TE: 6-2 12-5, 26, 28, 29, 33, 38, 46, 65, 101, 175-176, 177, 258, 266-267, 268-269, 270, 271,-273 273-274, 276-277, 278, 562, 563-564, 566-567, 568-569, 581, 583, 584, 586, 590</b></p> <p><b>TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs, Vocabulary and Study Skills Worksheet (English and Spanish): 1-5, 12-1, 12-2, Checkpoint Quiz (English and Spanish): 1-5, 12-2</b></p> <p><b>TECH: Check Skills You'll Need, Additional Examples, Problem of the Day, Student Edition Answers, Lesson Quiz, Interactive Textbook Online, StudentExpress, Success</b></p>	<p>Instruction and review</p>

		<p><b>Tracker, TeacherExpress, Classroom Aid: 12-1, 12-2, PresentationExpress, ExamView, www.phschool.com webcodes: asa-0105, ase-0105, asa-1201, ase-1201, asa-1202, ase-1202</b></p>	
	<p><b>c. Solve single-variable linear equations and inequalities, including those that must be simplified on one side or those with variables on both sides of an equation.</b></p>	<p><b>SE/TE: 260, 261-262 262-264, 270, 271-273, 273-275, 276-277, 277-278, 279-280, 281, 282-283, 284-285, 287, 288-290, 291-292, 294-295, 296, 297, 300, 614-615</b></p> <p><b>TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs, Vocabulary and Study Skills Worksheet (English and Spanish): 6-1, 6-3, 6-4, 6-5, 6-6, Checkpoint Quiz (English and Spanish): 6-2, 6-5</b></p> <p><b>TECH: Check Skills You'll Need, Additional Examples, Problem of the Day, Student Edition Answers, Lesson Quiz, Interactive Textbook Online, StudentExpress, Success Tracker, TeacherExpress, Classroom Aid: 6-1, 6-2, 6-3, 6-5, 6-6, PresentationExpress, ExamView, www.phschool.com webcodes: asa-0601, ase-0601, asa-0602, ase-0602,</b></p>	<p>Instruction and review</p>

		asa-0603, ase-0603, asa-0604, ase-0604, asa-0605, ase-0605, asa-0606, ase-0606	
<b>2.3: Represent relationships using graphs, tables, and other models.</b>	<b>a.</b> Identify approximate rational coordinates when given the graph of a point on a rectangular coordinate system.	<b>SE/TE: 126 (#21), 127 (#32) , 134 (#20)</b>	Extension to Section 3-4
	<b>b.</b> Graph ordered pairs of rational numbers on a rectangular coordinate system.	<b>SE/TE: 125, 533, 534, 536, 544</b>  <b>TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs, Vocabulary and Study Skills Worksheet (English and Spanish): 3-4, 11-5, Checkpoint Quiz (English and Spanish): 11-5</b>  <b>TECH: Check Skills You'll Need, Additional Examples, Problem of the Day, Student Edition Answers, Lesson Quiz, Interactive Textbook Online, StudentExpress, Success Tracker, TeacherExpress, Classroom Aid: 11-5, PresentationExpress, ExamView, www.phschool.com webcodes: asa-0304, ase-0304, asa-1105, ase-1105</b>	Instruction and review

	<p><b>c.</b> Graph linear equations using ordered pairs or tables.</p>	<p><b>SE/TE:</b> 130-132, 132-134, 139, 153, 154, 170, 510, 534-536, 536-538, 553, 595, 608, 624</p> <p><b>TR:</b> Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs, Vocabulary and Study Skills Worksheet (English and Spanish): 11-5, Checkpoint Quiz (English and Spanish): 11-5</p> <p><b>TECH:</b> Check Skills You'll Need, Additional Examples, Problem of the Day, Student Edition Answers, Lesson Quiz, Interactive Textbook Online, StudentExpress, Success Tracker, TeacherExpress, Classroom Aid: 3-5, PresentationExpress, ExamView, www.phschool.com webcodes: asa-0305, ase-0305, asa-1105, ase-1105</p>	<p>Instruction and review</p>
	<p><b>d.</b> Model real-world problems using graphs, tables, equations, manipulatives, and pictures and identify extraneous information.</p>	<p><b>SE/TE:</b> 71, 260, 265, 272, 358-359, 360-362, 363, 364-365, 365-366, 367, 368, 371, 373, 374, 376, 378, 490, 523-524, 525-526, 535, 537, 540, 542-543, 590-591</p> <p><b>TR:</b> Practice (English and Spanish), Adapted Practice, Guided Problem</p>	<p>Instruction and review</p>

		<p><b>Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs, Vocabulary and Study Skills Worksheet (English and Spanish): 11-3</b></p> <p><b>TECH: Check Skills You'll Need, Additional Examples, Problem of the Day, Student Edition Answers, Lesson Quiz, Interactive Textbook Online, StudentExpress, Success Tracker, TeacherExpress, Classroom Aid: 8-2, PresentationExpress, ExamView, www.phschool.com webcodes: asa-0802, ase-0802, asa-11-03, ase-1103</b></p>	
<p><b>2.4: Model and illustrate meanings of ratios, percents, and decimals.</b></p>	<p><b>a.</b> Compare ratios to determine if they are equivalent.</p>	<p><b>SE/TE: 174, 176-177, 181, 183-184, 186, 610</b></p> <p><b>TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs, Vocabulary and Study Skills Worksheet (English and Spanish): 4-3</b></p> <p><b>TECH: Check Skills You'll Need, Additional Examples, Problem of the Day, Student Edition Answers,</b></p>	<p>Instruction and review</p>

		<p><b>Lesson Quiz, Interactive Textbook Online, StudentExpress, Success Tracker, TeacherExpress, Classroom Aid: 4-3, PresentationExpress, ExamView, www.phschool.com webcodes: asa-0403, ase-0403</b></p>	
	<p><b>b.</b> Compare ratios using the unit rate.</p>	<p><b>SE/TE: 161, 162, 202, 610</b></p> <p><b>TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs, Vocabulary and Study Skills Worksheet: (English and Spanish) 4-1</b></p> <p><b>TECH: Check Skills You'll Need, Additional Examples, Problem of the Day, Student Edition Answers, Lesson Quiz, Interactive Textbook Online, StudentExpress, Success Tracker, TeacherExpress, Classroom Aid: 4-1, PresentationExpress, ExamView, www.phschool.com webcodes: asa-0401, ase-0401</b></p>	<p>Instruction and review</p>
	<p><b>c.</b> Recognize percents as ratios based on 100 and decimals as ratios based on powers of ten.</p>	<p><b>SE/TE: 58, 210-211, 212, 218-220, 220-221, 252</b></p> <p><b>TR: Practice (English and Spanish),</b></p>	<p>Percents-Instruction and review</p> <p>Decimals-Opportunity to address indicator on page 58.</p>

		<p><b>Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs, Vocabulary and Study Skills Worksheet (English and Spanish): 5-1</b></p> <p><b>TECH: Check Skills You'll Need, Additional Examples, Problem of the Day, Student Edition Answers, Lesson Quiz, Interactive Textbook Online, StudentExpress, Success Tracker, TeacherExpress, Classroom Aid: 5-1, PresentationExpress, ExamView, www.phschool.com webcodes: asa-0501, ase-0501</b></p>	
	<p><b>d.</b> Recognize slope of a line as the constant ratio of the vertical change to the horizontal change in a line using similar triangles.</p>	<p><b>SE/TE: 527, 528-530, 530-531, 532, 535-536, 538, 539, 541, 542</b></p>	<p>Opportunity to address indicator on pages cited</p>
	<p><b>e.</b> Graph proportional relationships and identify the unit rate as the slope of the related line.</p>	<p><b>SE/TE: 129, 131-132, 172-173, 179, 527, 528-530, 533</b></p>	<p>Opportunity to address indicator on pages cited</p>
<p><b>2.5: Solve a wide variety of problems using ratios and proportional reasoning.</b></p>	<p><b>a.</b> Set up and solve problems involving proportional reasoning using variables.</p>	<p><b>SE/TE: 175-176, 177-178, 182, 183-184, 186, 192-193, 194-195, 197-198, 198-200, 201, 203, 204, 352, 398-399, 400</b></p>	<p>Instruction and review</p>



		<p><b>TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs, Vocabulary and Study Skills Worksheet (English and Spanish): 4-3, 4-4, 4-7, Checkpoint Quiz (English and Spanish): 4-4</b></p> <p><b>TECH: Check Skills You'll Need, Additional Examples, Problem of the Day, Student Edition Answers, Lesson Quiz, Interactive Textbook Online, StudentExpress, Success Tracker, TeacherExpress, Classroom Aid: 4-3, 4-7, PresentationExpress, ExamView, www.phschool.com webcodes: asa-0403, ase-0403, asa-0404, ase-0404, asa-0406, ase-0406, asa-0407, ase-0407</b></p>	
	<p><b>b.</b> Solve percent problems including problems involving discounts, interest, taxes, tips, and percent increase or decrease.</p>	<p><b>SE/TE: 214-215, 216-217, 218-220, 220-222, 224-225, 226-227, 229, 230-231, 232-233, 234-236, 237-238, 239, 240-241, 242-243, 243-244, 245, 251, 253, 254, 255</b></p> <p><b>TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment,</b></p>	<p>Instruction and review</p>

		<p><b>Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs, Vocabulary and Study Skills Worksheet: (English and Spanish) 5-3, 5-4, 5-6, Checkpoint Quiz (English and Spanish): 5-4, 5-7</b></p> <p><b>TECH: Check Skills You'll Need, Additional Examples, Problem of the Day, Student Edition Answers, Lesson Quiz, Interactive Textbook Online, StudentExpress, Success Tracker, TeacherExpress, Classroom Aid: 5-2, 504, 507, PresentationExpress, ExamView, www.phschool.com webcodes: asa-0502, ase-0502, asa-0503, ase-0503, asa-0504, ase-0504, asa-0505, ase-0505, asa-0506, ase-0506, asa-0507, ase-0507</b></p>	
	<p><b>c. Solve ratio and rate problems using informal methods.</b></p>	<p><b>SE/TE: 160-161, 162-163, 164, 166-168, 169-170, 171, 172-173, 174-176, 176-178, 179-180, 181-182, 183-184, 185, 186</b></p> <p><b>TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs, Vocabulary</b></p>	<p>Instruction and review</p>

		<p><b>and Study Skills Worksheet: (English and Spanish) 4-1, 4-3, 4-4, Checkpoint Quiz (English and Spanish): 4-2, 4-4</b></p> <p><b>TECH: Check Skills You'll Need, Additional Examples, Problem of the Day, Student Edition Answers, Lesson Quiz, Interactive Textbook Online, StudentExpress, Success Tracker, TeacherExpress, Classroom Aid: 4-1, 4-2, 4-3, PresentationExpress, ExamView, www.phschool.com webcodes: asa-0401, ase-0401, asa-0402, ase-0402, asa-0403, ase-0403, asa-0404, ase-0404</b></p>	
	<p><b>d. Identify similar figures based on proportionality.</b></p>	<p><b>SE/TE: 181, 183-184, 186, 610</b></p> <p><b>TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs, Vocabulary and Study Skills Worksheet (English and Spanish): 4-4, Checkpoint Quiz (English and Spanish): 4-4</b></p> <p><b>TECH: Check Skills You'll Need, Additional Examples, Problem of</b></p>	<p>Instruction and review</p>

		<p><b>the Day, Student Edition Answers, Lesson Quiz, Interactive Textbook Online, StudentExpress, Success Tracker, TeacherExpress, PresentationExpress, ExamView, www.phschool.com webcodes: asa-0404, ase-0404</b></p>	
	<p><b>e. Find missing lengths of similar plane figures, including inaccessible lengths, using proportions.</b></p>	<p><b>SE/TE: 182, 183-184, 185, 186 , 191, 192-193, 193-195, 196, 197-198, 198-200, 201, 203, 204, 213, 255, 595, 610-611</b></p> <p><b>TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs, Vocabulary and Study Skills Worksheet (English and Spanish): 4-4, 4-7, Checkpoint Quiz (English and Spanish): 4-4</b></p> <p><b>TECH: Check Skills You'll Need, Additional Examples, Problem of the Day, Student Edition Answers, Lesson Quiz, Interactive Textbook Online, StudentExpress, Success Tracker, TeacherExpress, Classroom Aid: 4-7, PresentationExpress, ExamView, www.phschool.com webcodes: asa-0404, ase-0404, asa-0406, ase-0406,</b></p>	<p>Instruction and review</p>

		asa-0407, ase-0407	
<b>Standard III: Students will understand and apply measurement tools and formulas.</b>			
<b>Percentage of coverage for Standard III: 100 %</b>			
<b>Objectives</b>	<b>Indicators</b>	<b>If covered, appropriate page #'s</b>	<b>Comments on coverage</b>
<b>3.1: Apply the properties of proportionality of different units of measure.</b>	<b>a. Convert units of measure within the same system.</b>	<b>SE/TE: 167-168, 169-170, 171, 202, 204, 233, 310, 593, 610</b>  <b>TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs, Checkpoint Quiz (English and Spanish): 4-2</b>  <b>TECH: Check Skills You'll Need, Additional Examples, Problem of the Day, Student Edition Answers, Lesson Quiz, Interactive Textbook Online, StudentExpress, Success Tracker, TeacherExpress, Classroom Aid: 4-2, PresentationExpress, ExamView, www.phschool.com webcodes: asa-0402, ase-0402</b>	Instruction and review
	<b>b. Create and interpret scale drawings and approximate distance on maps using</b>	<b>SE/TE: 192-193, 193-195, 196, 197-198, 198-200, 201, 203, 204, 213, 255, 292, 595, 610-611</b>	Instruction and review

	<p>properties of similarity.</p>	<p><b>TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs, Vocabulary and Study Skills Worksheet (English and Spanish): 4-7</b></p> <p><b>TECH: Check Skills You'll Need, Additional Examples, Problem of the Day, Student Edition Answers, Lesson Quiz, Interactive Textbook Online, StudentExpress, Success Tracker, TeacherExpress, Classroom Aid: 4-7, PresentationExpress, ExamView, www.phschool.com webcodes: asa-0406, ase-0406, asa-0407, ase-0407</b></p>	
	<p>c. Solve problems using scale factors.</p>	<p><b>SE/TE: 192-193, 193-195, 196, 197-198, 198-200, 201, 203, 204, 213, 255, 292, 398-399, 400-401, 405, 406, 478, 526, 595, 610-611, 618</b></p> <p><b>TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs, Vocabulary and Study Skills Worksheet (English and Spanish): 4-7</b></p>	<p>Instruction and review</p>

		<p><b>TECH: Check Skills You'll Need, Additional Examples, Problem of the Day, Student Edition Answers, Lesson Quiz, Interactive Textbook Online, StudentExpress, Success Tracker, TeacherExpress, Classroom Aid 4-7, PresentationExpress, ExamView, www.phschool.com webcodes: asa-0406, ase-0406, asa-0407, ase-0407</b></p>	
	<p><b>d.</b> Create and interpret scale drawings.</p>	<p><b>SE/TE: 192-193, 193-195, 201, 203, 204, 213, 255, 429, 595, 610-611</b></p> <p><b>TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs</b></p> <p><b>TECH: Check Skills You'll Need, Additional Examples, Problem of the Day, Student Edition Answers, Lesson Quiz, Interactive Textbook Online, StudentExpress, Success Tracker, TeacherExpress, PresentationExpress, ExamView, www.phschool.com webcodes: asa-0406, ase-0406</b></p>	<p>Instruction and review</p>

<p><b>3.2: Derive formulas for surface areas and volume of three dimensional shapes.</b></p>	<p><b>a.</b> Derive formulas for and calculate surface area and volume of right prisms and cylinders using appropriate units.</p>	<p><b>SE/TE: 367, 368-370, 371-372, 373, 379, 380-382, 382-384, 385-386, 387, 391, 392, 405, 406, 416, 441, 473, 526, 595, 618-619</b></p> <p><b>TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs, Checkpoint Quiz (English and Spanish): 8-4</b></p> <p><b>TECH: Check Skills You'll Need, Additional Examples, Problem of the Day, Student Edition Answers, Lesson Quiz, Interactive Textbook Online, StudentExpress, Success Tracker, TeacherExpress, Classroom Aid: 8-4, PresentationExpress, ExamView, www.phschool.com webcodes: asa-0804, ase-0804, asa-0806, ase-0806</b></p>	<p>Instruction and review</p>
	<p><b>b.</b> Explain that if a scale factor describes how corresponding lengths in two similar objects are related, then the square of the scale factor describes how corresponding areas are related and the cube of the scale factor describes how corresponding volumes</p>	<p><b>SE/TE: 398-399, 400-401, 405, 406, 526, 618</b></p> <p><b>TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs, Vocabulary and Study Skills Worksheet (English</b></p>	<p>Instruction and review</p>



	<p>are related.</p>	<p><b>and Spanish): 8-9,</b></p> <p><b>TECH: Check Skills You'll Need, Additional Examples, Problem of the Day, Student Edition Answers, Lesson Quiz, Interactive Textbook Online, StudentExpress, Success Tracker, TeacherExpress, Classroom Aid: 8-9, PresentationExpress, ExamView, www.phschool.com webcodes: asa-0809, ase-0809</b></p>	
	<p><b>c.</b> Find lengths, areas, and volumes of similar figures, using the scale factor.</p>	<p><b>SE/TE: 192-193, 193-195, 196, 197-198, 198-200, 201, 203, 204, 213, 255, 292, 398-399, 400-401, 405, 406, 429, 478, 526, 595, 610-611, 618</b></p> <p><b>TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs, Vocabulary and Study Skills Worksheet (English and Spanish): 4-7, 8-9</b></p> <p><b>TECH: Check Skills You'll Need, Additional Examples, Problem of the Day, Student Edition Answers, Lesson Quiz, Interactive Textbook Online, StudentExpress, Success Tracker, TeacherExpress, Classroom Aid: 4-7, 8-9,</b></p>	<p>Instruction and review</p>

		<p><b>PresentationExpress, ExamView, www.phschool.com webcodes: asa-0406, ase-0406, asa-0407, ase-0407, asa-0809, ase-0809</b></p>	
	<p><b>d.</b> Select appropriate two- and three-dimensional shapes to model real-world objects and solve a variety of problems involving surface areas and volumes of cylinders and prisms.</p>	<p><b>SE/TE: 355, 356-357, 358-359, 360-361, 362, 363, 364-365, 365-366, 367, 368-370, 371-372, 373, 374-376, 377-378, 379, 380-382, 382-384, 387, 389, 390-391, 392, 393-394, 395-396, 397</b></p> <p><b>TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs, Vocabulary and Study Skills Worksheet (English and Spanish): 8-3, 8-5, 8-7, Checkpoint Quiz (English and Spanish): 8-4, 8-7</b></p> <p><b>TECH: Check Skills You'll Need, Additional Examples, Problem of the Day, Student Edition Answers, Lesson Quiz, Interactive Textbook Online, StudentExpress, Success Tracker, TeacherExpress, Classroom Aid: 8-2, 8-3, 8-4, 8-5, 8-6, 8-7, PresentationExpress, ExamView, www.phschool.com webcodes: asa-0802, ase-0802, asa-0803, ase-0803, asa-0804, ase-0804, asa-0805, ase-0850, asa-0806, ase-</b></p>	<p>Instruction and review</p>

		0806, asa-0807, ase-0807	
<b>Standard IV: Students will apply concepts and methods from statistics and probability to solve real problems.</b>			
<b>Percentage of coverage for Standard IV: 65 %</b>			
<b>Objectives</b>	<b>Indicators</b>	<b>If covered, appropriate page #'s</b>	<b>Comments on coverage</b>
<b>4.1: Formulate questions and answer the questions by organizing and analyzing data.</b>	a. Formulate questions that can be answered through data collection and analysis.	<b>SE/TE: 480-481, 482-483</b>	Opportunity to address indicator on pages cited
	b. Determine the 25 <sup>th</sup> and 75 <sup>th</sup> percentiles (1 <sup>st</sup> and 3 <sup>rd</sup> quartiles) to obtain information about the spread of data.	<b>SE/TE: 438-439, 440, 441, 442, 463, 465, 538</b>  <b>TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs</b>  <b>TECH: Check Skills You'll Need, Additional Examples, Problem of the Day, Student Edition Answers, Lesson Quiz, Interactive Textbook Online, StudentExpress, Success Tracker, TeacherExpress, Classroom Aid: 9-6, PresentationExpress, ExamView, www.phschool.com webcodes: asa-0906, ase-0906</b>	Instruction and review

	<p>c. Graphically summarize data of a single variable using histograms and box and whisker plots.</p>	<p><b>SE/TE: 419, 420-422, 423, 426, 429-430, 432, 438-439, 440-441, 442, 447, 449, 455, 457, 459, 462-463, 464, 465, 538, 565, 594, 620-621</b></p> <p><b>TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs</b></p> <p><b>TECH: Check Skills You'll Need, Additional Examples, Problem of the Day, Student Edition Answers, Lesson Quiz, Interactive Textbook Online, StudentExpress, Success Tracker, TeacherExpress, Classroom Aid: 9-2, 9-6, PresentationExpress, ExamView, www.phschool.com webcodes: asa-0902, ase-0902, asa-0906, ase-0906</b></p>	<p>Instruction and review</p>
	<p>d. Compute the mean and median of a numerical characteristic and relate these values to the histogram of the data.</p>	<p><b>SE/TE: 412-414, 414-416, 417, 432, 434-435, 437, 439, 441, 462, 464, 465, 538</b></p> <p><b>TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs, Vocabulary and Study Skills Worksheet (English</b></p>	<p>Compute the mean and median only.</p>

		<p><b>and Spanish): 9-1</b></p> <p><b>TECH: Check Skills You'll Need, Additional Examples, Problem of the Day, Student Edition Answers, Lesson Quiz, Interactive Textbook Online, StudentExpress, Success Tracker, TeacherExpress, PresentationExpress, ExamView, www.phschool.com webcodes: asa-0901, ase-0901</b></p>	
	<p><b>e.</b> Use graphical representations and numerical summaries to answer questions and interpret data.</p>	<p><b>SE/TE: 412-414, 414-416, 417, 418-419, 420-422, 423, 424-426, 426-427, 428-429, 429-431, 432, 433-435, 435-437, 438-439, 440-441, 442, 443, 444-445, 446-447, 448, 449, 450-451, 452-453, 454-455, 456-457, 457-459, 460, 462-463, 464</b></p> <p><b>TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs, Vocabulary and Study Skills Worksheet (English and Spanish): 9-1, 9-3, 9-5, 9-7, 9-9 Checkpoint Quiz (English and Spanish): 9-4, 9-7</b></p> <p><b>TECH: Check Skills You'll Need, Additional Examples, Problem of the Day, Student Edition Answers,</b></p>	<p>Instruction and review</p>

		<p><b>Lesson Quiz, Interactive Textbook Online, StudentExpress, Success Tracker, TeacherExpress, Classroom Aid: 9-2, 9-3, 9-4, 9-5, 9-6, 9-7, 9-8, 9-9 PresentationExpress, ExamView, www.phschool.com webcodes: asa-0901, ase-0901, asa-0902, ase-0902 asa-0903, ase-0903, asa-0904, ase-0904, asa-0905, ase-0905, asa-0906, ase-0906 asa-0907, ase-0907, asa-0908, ase-0908 asa-0909, ase-0909</b></p>	
<p><b>4.2: Calculate probabilities of events and compare theoretical and experimental probability.</b></p>	<p><b>a.</b> Calculate the probability of an event mathematically using models and the Fundamental Counting Principle.</p>	<p><b>SE/TE: 246, 248, 250, 470, 473, 474, 479, 484, 485, 492, 493, 494, 499, 506</b></p> <p><b>TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs, Vocabulary and Study Skills Worksheet (English and Spanish): 5-8</b></p> <p><b>TECH: Check Skills You'll Need, Additional Examples, Problem of the Day, Student Edition Answers, Lesson Quiz, Interactive Textbook Online, StudentExpress, Success Tracker, TeacherExpress, PresentationExpress, ExamView, www.phschool.com webcodes: asa-</b></p>	<p>Instruction and review</p>

		<b>0508, ase-0508</b>	
	<b>b.</b> Recognize that the sum of the probability of an event and the probability of its complement is equal to one.	<b>SE/TE: 479</b>	Extension to Section 10.2
	<b>c.</b> Make approximate predictions using theoretical probability and proportions.	<b>SE/TE: 475-476, 476-478, 479</b>  <b>TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs, Checkpoint Quiz (English and Spanish): 10-2</b>  <b>TECH: Check Skills You'll Need, Additional Examples, Problem of the Day, Student Edition Answers, Lesson Quiz, Interactive Textbook Online, StudentExpress, Success Tracker, TeacherExpress, PresentationExpress, ExamView, www.phschool.com webcodes: asa-1002, ase-1002</b>	Instruction and review
	<b>d.</b> Recognize that results of an experiment more closely approximate the actual or theoretical probability of an event as the number of trials increases.	<b>SE/TE: 471</b> <b>TR: Reteaching 10-1</b>	Instruction

<b>Intended Learning Outcomes</b>		
<b>1. Develop positive attitudes towards mathematics including confidence, creativity, enjoyment and perseverance that come from achievement.</b>	SE/TE: 31, 70, 139 (#20), 449, 490, 539  TR: Daily Puzzles	Addressed throughout the text, sample citations listed
<b>2. Become proficient problem-solvers by posing appropriate questions, selecting appropriate methods, employing a variety of strategies, and exploring alternative approaches.</b>	SE/TE: Problem Solving Applications; 46-47, 102-103, 156-157, 206-207, 256-257, 298-299, 350-351, 408-409, 466-467, 508-509, 556-557, 596-597  More than one Way; 39, 74, 131-132, 176, 225, 273, 330, 382, 434, 493, 536, 563	Addressed throughout the text, sample citations listed
<b>3. Think logically using inductive and deductive reasoning and justify their conclusions using formal and informal methods of proof.</b>	SE/TE: 13, 56, 68, 76, 65, 78, 83, 115, 145, 191, 193, 221, 238, 239, 265, 285, 287, 291, 308, 315, 323, 327, 338, 340, 348, 367, 373, 416, 420, 425, 427, 452, 455, 512, 519, 543, 550, 584	Addressed throughout the text, sample citations listed
<b>4. Cooperatively and independently explore mathematics, using inquiry and technological skills.</b>	SE/TE: Activity Lab; 14, 15, 32, 37, 71, 80, 90, 140, 145, 186, 265, 281, 344, 387, 427, 428, 460, 485, 517, 527, 533  Chapter Projects; 598-603	Addressed throughout the text, sample citations listed
<b>5. Make connections within mathematical ideas, between mathematics and other disciplines, and to life.</b>	SE/TE: Interdisciplinary Connections; 17, 56, 92, 93, 95, 127, 144, 193, 195, 200, 222, 230, 233, 248, 306, 310, 332, 375, 392, 418, 429, 436, 470, 492, 494, 498, 521, 537, 543, 564, 572, 573, 574, 584,	Addressed throughout the text, sample citations listed



	<p><b>588, 592</b></p> <p><b>Within Mathematics; 39, 57-58, 59-60, 61, 74, 131-132, 176, 210-212, 212-213, 225, 273, 330, 382, 434, 493, 536, 563</b></p> <p><b>TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs</b></p> <p><b>TECH: Check Skills You'll Need, Additional Examples, Problem of the Day, Student Edition Answers, Lesson Quiz, Interactive Textbook Online, StudentExpress, Success Tracker, TeacherExpress, PresentationExpress, ExamView, www.phschool.com webcodes:</b></p>	
<p><b>6. Communicate mathematics through writing, modeling, and visualizing, using precise mathematical language and symbolic notation.</b></p>	<p><b>SE/TE: Vocabulary Builder; 9, 47, 77, 101, 155, 205, 228, 255, 286, 297, 322, 349, 407, 465, 500, 507, 555</b></p> <p><b>Writing in Math; 65, 89, 109, 121, 144, 163, 178, 213, 221, 327, 396, 401, 421, 459, 499, 520, 526, 542, 549, 579, 585, 592</b></p>	<p>Addressed throughout the text, sample citations listed</p>