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Correlated to:

Colorado's Standards: CSAP Mathematics Assessment Framework
(Grade 8)

Colorado CSAP Assessment Frameworks	PAGE(S) WHERE TAUGHT (If submission is not a text, cite appropriate resource(s))
Standard 1 Students develop number sense* and use numbers and number relationships in problem-solving situations* and communicate the reasoning used in solving these problems.	
Benchmark 1 Demonstrate meanings for integers*, rational numbers*, percents, exponents*, square roots* and pi (π) using physical materials and technology in problem-solving situations*.	
Assessment Objectives	
Recognize and use equivalent representations of positive rational numbers* and common irrational numbers* (for example, locate rational numbers* on a number line and demonstrate the meaning of square roots* and perfect squares).	SE/TE: 10-13, 15, 16-19, 20, 57-65, 71, 78-79, 91-95, 106-110, 112-115, 116-117, 118-121, 122, 154 (#1-11), 210-213, 214-217
	TE: Additional Examples 211
	TR: Practice, Adapted Practice, Reteaching, Enrichment, Checkpoint Quizzes, Alternative Assessment, Chapter Projects, Chapter Tests, Cumulative Review, Assessment Resources, Guided Problem Solving, Activity Labs, Daily Puzzles, Vocabulary and Study Skills Worksheet, Daily Notetaking Guide
	TECH: Transparencies: Check Skills You'll Need, Additional Examples, Problem of the Day, Classroom Aid, Student Edition Answers, Lesson Quiz, Test-Taking Strategies; Interactive Textbook Online, StudentExpress CD-ROM, Success Tracker, Teacher Express CD-ROM, PresentationExpress CD-ROM, ExamView, MindPoint Quiz Show CD-ROM, www.PHSchool.com web code ase 0102, ase 0202, ase0203, ase 0153, ase-0203, ase0775, ase-0208, ase-0501, Online Interactive Textbook Section 5-1
Benchmark 2 Read, write and order integers*, rational numbers* and common irrational numbers* such as $\sqrt{2}$, $\sqrt{5}$, and π .	
Assessment Objectives	
Compare and order sets of integers* and rational numbers* that are expressed in a variety of ways.	SE/TE: 10-13, 19 (#39-41), 23 (#44), 30 (#44), 31, 45 (#15-19), 46 (#25-28), 48-49, 50 (#5-8), 62-65, 69 (#45-46), 70 (#5), 99 (#17-19), 100 (#8-21), 210-213, 629

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	TE: Error Protection 11, Additional Examples 63
	TR: Practice, Adapted Practice, Reteaching, Enrichment, Checkpoint Quizzes, Alternative Assessment, Chapter Projects, Chapter Tests, Cumulative Review, Assessment Resources, Guided Problem Solving, Activity Labs, Daily Puzzles, Vocabulary and Study Skills Worksheet, Daily Notetaking Guide
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Benchmark 3 Apply number theory concepts (for example, primes*, factors, multiples) to represent numbers in various ways.	
Assessment Objectives	
Apply number theory concepts (for example, primes*, factors, multiples, exponents*) in problem-solving situations*.	SE/TE: 51-56, 57, 62-65, 66, 77, 86-89, 98, 558, 570-575, 581-586, 591
	TE: Error Protection 53, Additional Examples 87
	TR: Practice, Adapted Practice, Reteaching, Enrichment, Checkpoint Quizzes, Alternative Assessment, Chapter Projects, Chapter Tests, Cumulative Review, Assessment Resources, Guided Problem Solving, Activity Labs, Daily Puzzles, Vocabulary and Study Skills Worksheet, Daily Notetaking Guide

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Benchmark 4 Use the relationships among fractions, decimals, and percents, including the concepts of ratio and proportion, in problem-solving situations*.	
Assessment Objectives	
Use the relationships among fractions, decimals and percents including the concepts of ratio and proportion in problem-solving situations* (similarity*, scale factor, unit rate).	SE/TE: 160-164, 172-178, 179-184, 192-196, 197-200, 201, 210-213, 214-217, 218-222, 246, 253, 254, 255, 256-257, 397, 451-452, 480, 500, 599, 610-611
	TE: Error Prevention 161, 172, 176, 182, 196, 198, 215, 220, 229, 231, 235, 241, 451
	TR: Practice, Adapted Practice, Reteaching, Enrichment, Checkpoint Quizzes, Alternative Assessment, Chapter Projects, Chapter Tests, Cumulative Review, Assessment Resources, Guided Problem Solving, Activity Labs, Daily Puzzles, Vocabulary and Study Skills Worksheet, Daily Notetaking Guide
	TECH: 175, 218, 225 in SE/TE & Transparencies: Check Skills You'll Need, Additional Examples, Problem of the Day, Classroom Aid, Student Edition Answers, Lesson Quiz, Test-Taking Strategies; Interactive Textbook Online, StudentExpress CD-ROM, Success Tracker, Teacher Express CD-ROM, PresentationExpress CD-ROM, ExamView, MindPoint Quiz Show CD-ROM, www.PHSchool.com web code: ase-0401, ase-0403, ase-0404, ase-0406, ase-0407, ase-0501, ase-0502, ase-0503, ase-0504, ase-0505, ase-0507, ase-0553

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Benchmark 5 Develop, test, and explain conjectures* about properties of integers* and rational numbers*.	
Assessment Objectives	
Develop and test conjectures* about properties of integers* (Does $3-5 = 5-3$?) and rational numbers*.	SE/TE: 26-31, 47, 66-76, 80-90, 91-95, 102-110, 111-117, 118-122, 128, 160-164, 166-171, 172-180, 231-237, 258 (#12-17), 272-278, 300 (# 1-3), 333-334, 513-516, 560-569, 570-580, 581- 586, 604-605 (#21-26, 42-45)
	TE: Differentiated Instruction 12; Error Prevention 82, 90, 116, 128, 179, 333, 513, 582
	TR: Practice, Adapted Practice, Reteaching, Enrichment, Checkpoint Quizzes, Alternative Assessment, Chapter Projects, Chapter Tests, Cumulative Review, Assessment Resources, Guided Problem Solving, Activity Labs, Daily Puzzles, Vocabulary and Study Skills Worksheet, Daily Notetaking Guide
	TECH: 90, 107, 167, 168, 230 in SE/TE & Transparencies: Check Skills You'll Need, Additional Examples, Problem of the Day, Classroom Aid, Student Edition Answers, Lesson Quiz, Test-Taking Strategies; Interactive Textbook Online, StudentExpress CD-ROM, Success Tracker, Teacher Express CD-ROM, PresentationExpress CD-ROM, ExamView, MindPoint Quiz Show CD-ROM, www.PHSchool.com web code: ase-0101, ase-0102, ase-0105, ase-0205, ase-0301, ase-0302, ase-0401, ase-0402, ase-0505, ase-1101, ase-1204
Benchmark 6 Use number sense* to estimate and justify the reasonableness of solutions to problems involving integers*, rational numbers*, and common irrational numbers* such as $\sqrt{2}$, $\sqrt{5}$, and π .	
Assessment Objectives	
Use number sense* to estimate and justify the reasonableness of solutions to problems involving integers* and rational numbers*.	SE/TE: 24-25, 34-35, 68 (#29), 73-, 75 (#32), 78-79, 80, 107-110, 112-115, 116-117, 167-170, 172-173, 175, 179-180, 198-200, 220, 224-227 (#15, 22, 23), 240-241, 272, 279-280, 385-386, 394-397, 403, 544-545, 687-588

Colorado CSAP Assessment Frameworks	PAGE(S) WHERE TAUGHT (If submission is not a text, cite appropriate resource(s))
	TE: Error Prevention 73, 79, 107, 113
	TR: Practice, Adapted Practice, Reteaching, Enrichment, Checkpoint Quizzes, Alternative Assessment, Chapter Projects, Chapter Tests, Cumulative Review, Assessment Resources, Guided Problem Solving, Activity Labs, Daily Puzzles, Vocabulary and Study Skills Worksheet, Daily Notetaking Guide
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Standard 2 Students use algebraic methods* to explore, model, and describe patterns* and functions* involving numbers, shapes, data, and graphs in problem-solving situations* and communicate the reasoning used in solving these problems.	
Benchmark 1 Represent, describe, and analyze patterns* and relationships using tables, graphs, verbal rules, and standard algebraic notation.	
Assessment Objectives	
Represent, describe, and analyze patterns* (for example, geometric and numeric) and relationships using tables, graphs, verbal rules, and standard algebraic notation.	SE/TE: 512-516, 517, 522 (Checkpoint # 1-3), 523-526, 552 (#6-12), 554 (#1-4), 570, 574 (#46), 588 (# 2), 624-625
	TE: Error Prevention 513, 588, Additional Examples 513, 514
	TR: Practice, Adapted Practice, Reteaching, Enrichment, Checkpoint Quizzes, Alternative Assessment, Chapter Projects, Chapter Tests, Cumulative Review, Assessment Resources, Guided Problem Solving, Activity Labs, Daily Puzzles, Vocabulary and Study Skills Worksheet, Daily Notetaking Guide

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Colorado CSAP Assessment Frameworks	PAGE(S) WHERE TAUGHT (If submission is not a text, cite appropriate resource(s))
	TECH: 515, 575 in SE/TE and Transparencies: Check Skills You'll Need, Additional Examples, Problem of the Day, Classroom Aid, Student Edition Answers, Lesson Quiz, Test-Taking Strategies; Interactive Textbook Online, StudentExpress CD-ROM, Success Tracker, Teacher Express CD-ROM, PresentationExpress CD-ROM, ExamView, MindPoint Quiz Show CD-ROM, www.PHSchool.com web code: ase-1101
Convert from one functional representation (table, graph, verbal rule, standard algebraic notation) to another.	SE/TE: 129, 130-135, 151, 153 (#24-27), 156-157, 523-526, 527, 528-531, 532, 533, 534-538, 539, 540-543, 544-545, 546-549, 550, 551, 552-553, 554, 555, 556-557, 624-625
	TE: Error Prevention 524, 527, Guided Instruction 151, Additional Examples 524, 529, 535, 541, 547
	TR: Practice, Adapted Practice, Reteaching, Enrichment, Checkpoint Quizzes, Alternative Assessment, Chapter Projects, Chapter Tests, Cumulative Review, Assessment Resources, Guided Problem Solving, Activity Labs, Daily Puzzles, Vocabulary and Study Skills Worksheet, Daily Notetaking Guide
	TECH: Transparencies: Check Skills You'll Need, Additional Examples, Problem of the Day, Classroom Aid, Student Edition Answers, Lesson Quiz, Test-Taking Strategies; Interactive Textbook Online, StudentExpress CD-ROM, Success Tracker, Teacher Express CD-ROM, PresentationExpress CD-ROM, ExamView, MindPoint Quiz Show CD-ROM, www.PHSchool.com web code: ase-0305, ase-0353, ase-1103, ase-1104, ase-1105, ase-1106, ase-1107, ase-1153

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Benchmark 2 Describe patterns* using variables*, expressions, equations, and inequalities in problem-solving situations*.	
Assessment Objectives	
Describe patterns* using variables*, expressions, equations, and inequalities in problem-solving situations*.	SE/TE: 281, 282-285, 287, 288-292, 295 (#22-32), 296 (# 32-40), 297 (#1, 6), 398-399, 407 (# 5), 512-516, 517, 522 (Checkpoint # 1-3), 526 (#24, 25), 552 (#6-12), 554 (#1-4), 570, 574 (#46), 588 (# 2), 624-625
	TE: Error Prevention 281, 283, 287, 289, 513, 588, Math Background 512, Lesson Quiz 516
	TR: Practice, Adapted Practice, Reteaching, Enrichment, Checkpoint Quizzes, Alternative Assessment, Chapter Projects, Chapter Tests, Cumulative Review, Assessment Resources, Guided Problem Solving, Activity Labs, Daily Puzzles, Vocabulary and Study Skills Worksheet, Daily Notetaking Guide
	TECH: 515, 575 in SE/TE & Transparencies: Check Skills You'll Need, Additional Examples, Problem of the Day, Classroom Aid, Student Edition Answers, Lesson Quiz, Test-Taking Strategies; Interactive Textbook Online, StudentExpress CD-ROM, Success Tracker, Teacher Express CD-ROM, PresentationExpress CD-ROM, ExamView, MindPoint Quiz Show CD-ROM, www.PHSchool.com web code: ase-1101, ase-0605, ase-0606
Benchmark 3 Analyze functional relationships to explain how a change in one quantity results in a change in another (for example, how the area of a circle changes as the radius increases, or how a person's height changes over time).	
Assessment Objectives	
Analyze functional relationships to explain how a change in one quantity results in a change in another (for example, how a person's height changes over time).	SE/TE: 156-157, 523-527, 528-533, 534-538, 540-545, 546-551, 553, 556-557
	TE: Error Prevention 34, 82, 87, 198, 262, 524, 533, 527, 529, 536, 544, 550, 551

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	TECH: 85, 90 in SE/TE & Transparencies: Check Skills You'll Need, Additional Examples, Problem of the Day, Classroom Aid, Student Edition Answers, Lesson Quiz, Test-Taking Strategies; Interactive Textbook Online, StudentExpress CD-ROM, Success Tracker, Teacher Express CD-ROM, PresentationExpress CD-ROM, ExamView, MindPoint Quiz Show CD-ROM, www.PHSchool.com web code: ase-0102 ase-0106, ase-0107, ase-0207, ase-0601, ase-0603, ase-0653, ase-0604, ase-1106, web code: ase-1104, ase-1105, ase-1106
Benchmark 4 Distinguish between linear and nonlinear functions* through informal investigations.	
Assessment Objectives	
Distinguish between linear and nonlinear functions* through informal investigations.	SE/TE: 130-135, 156-157, 523-527, 528-533, 534-538, 540-545, 546-551, 553, 556-557
	TE: Error Prevention 34, 82, 87, 198, 262, 524, 533, 527, 529, 536, 544, 550, 551
	TR: Practice, Adapted Practice, Reteaching, Enrichment, Checkpoint Quizzes, Alternative Assessment, Chapter Projects, Chapter Tests, Cumulative Review, Assessment Resources, Guided Problem Solving, Activity Labs, Daily Puzzles, Vocabulary and Study Skills Worksheet, Daily Notetaking Guide

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	<p>TECH: 85, 90 in SE/TE and Transparencies: Check Skills You'll Need, Additional Examples, Problem of the Day, Classroom Aid, Student Edition Answers, Lesson Quiz, Test-Taking Strategies; Interactive Textbook Online, StudentExpress CD-ROM, Success Tracker, Teacher Express CD-ROM, PresentationExpress CD-ROM, ExamView, MindPoint Quiz Show CD-ROM, www.PHSchool.com web code: ase-0102 ase-0106, ase-0107, ase-0207, ase-0601, ase-0603, ase-0653, ase-0604, ase-1106, web code: ase-1104, ase-1105, ase-1106</p>
<p>Benchmark 5 Solve simple linear equations in problem-solving situations* using a variety of methods (informal, formal, and graphical) and a variety of tools (physical materials, calculators, and computers).</p>	
<p>Assessment Objectives</p>	
<p>Solve simple linear equations in problem-solving situations* using a variety of methods (informal, formal, and graphic).</p>	<p>SE/TE: 33, 34-36 (Example 2 & # 29, 41), 40 (#31), 42, 80-84, 97, 101 (#13, 14), 260-265, 271-275, 276-280, 294-295 (#6-20), 296 (#7-18), 298-299, 546-550, 556-557, 587-589, 614-615</p>
	<p>TE: Error Prevention 34, 39, 82, 265, 279, 550, 588</p>
	<p>TR: Practice, Adapted Practice, Reteaching, Enrichment, Checkpoint Quizzes, Alternative Assessment, Chapter Projects, Chapter Tests, Cumulative Review, Assessment Resources, Guided Problem Solving, Activity Labs, Daily Puzzles, Vocabulary and Study Skills Worksheet, Daily Notetaking Guide</p>
	<p>TECH: Transparencies: Check Skills You'll Need, Additional Examples, Problem of the Day, Classroom Aid, Student Edition Answers, Lesson Quiz, Test-Taking Strategies; Interactive Textbook Online, StudentExpress CD-ROM, Success Tracker, Teacher Express CD-ROM, PresentationExpress CD-ROM, ExamView, MindPoint Quiz Show CD-ROM, www.PHSchool.com web code: ase-0106, ase-0206, ase-0505, ase-0603, ase-0604, ase-0605, ase-0606, ase-0653</p>

Colorado CSAP Assessment Frameworks	PAGE(S) WHERE TAUGHT (If submission is not a text, cite appropriate resource(s))
Standard 3 Students use data collection and analysis, statistics*, and probability* in problem-solving situations* and communicate the reasoning used in solving these problems.	
Benchmark 1 Read and construct displays of data using appropriate techniques (for example, line graphs, circle graphs, scatter plots*, box plots*, stem-and-leaf plots*) and appropriate technology.	
Assessment Objectives	
Read and construct displays of data using appropriate techniques (for example, circle graphs, scatter plots*, box and whisker plots*, stem-and-leaf plots*).	SE/TE: 418-422, 423, 424-426, 427, 428-431, 432, 433-437, 438-441, 442, 443, 444-447, 448, 449, 450-459, 460, 461, 462-463, 464, 465 (#1, 5, 6, 14), 495 (#35-36), 620-621
	TE: Error Prevention 419, 427, 429, 434, Additional Examples 439, Lesson Quiz 441
	TR: Practice, Adapted Practice, Reteaching, Enrichment, Checkpoint Quizzes, Alternative Assessment, Chapter Projects, Chapter Tests, Cumulative Review, Assessment Resources, Guided Problem Solving, Activity Labs, Daily Puzzles, Vocabulary and Study Skills Worksheet, Daily Notetaking Guide
	TECH: 425, 442, 460 in SE/TE & Transparencies: Check Skills You'll Need, Additional Examples, Problem of the Day, Classroom Aid, Student Edition Answers, Lesson Quiz, Test-Taking Strategies; Interactive Textbook Online, StudentExpress CD-ROM, Success Tracker, Teacher Express CD-ROM, PresentationExpress CD-ROM, ExamView, MindPoint Quiz Show CD-ROM, www.PHSchool.com web code: ase- 0903, ase-0904, ase-0905, ase-0906, ase-0907, ase-0908
Benchmark 2 Display and use measures of central tendency*, such as mean, median and mode and measures of variability*, such as range and quartiles.	
Assessment Objectives	
Display and use measures of central tendency*, (such as mean, median, and mode) and measures of variability*, (such as range and quartiles) in problem-solving situations*.	SE/TE: 412-415, 417, 418-422, 434-437, 438-439, 440-441, 462-463 (#5-7), 464 (#1-6), 465 (#1-3), 602, 620-621 (#1, 2, 7, 15)

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	TE: Error Prevention 419, 434
	TR: Practice, Adapted Practice, Reteaching, Enrichment, Checkpoint Quizzes, Alternative Assessment, Chapter Projects, Chapter Tests, Cumulative Review, Assessment Resources, Guided Problem Solving, Activity Labs, Daily Puzzles, Vocabulary and Study Skills Worksheet, Daily Notetaking Guide
	TECH: 442 in SE/TE & Transparencies: Check Skills You'll Need, Additional Examples, Problem of the Day, Classroom Aid, Student Edition Answers, Lesson Quiz, Test-Taking Strategies; Interactive Textbook Online, StudentExpress CD-ROM, Success Tracker, Teacher Express CD-ROM, PresentationExpress CD-ROM, ExamView, MindPoint Quiz Show CD-ROM, www.PHSchool.com web ase-0901, ase-0902, ase-0905
Benchmark 3 Evaluate arguments that are based on statistical claims.	
Assessment Objectives	
Analyze a graph, table or summary for misleading characteristics.	SE/TE: 417, 427, 428-431, 432, 444-448
	TE: Error Prevention 427, 451, 454, 457, Lesson Quiz 431, Guided Instruction 432
	TR: Practice, Adapted Practice, Reteaching, Enrichment, Checkpoint Quizzes, Alternative Assessment, Chapter Projects, Chapter Tests, Cumulative Review, Assessment Resources, Guided Problem Solving, Activity Labs, Daily Puzzles, Vocabulary and Study Skills Worksheet, Daily Notetaking Guide
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Colorado CSAP Assessment Frameworks	PAGE(S) WHERE TAUGHT (If submission is not a text, cite appropriate resource(s))
Recognize the misuse of statistical data in written arguments.	SE/TE: 417, 427, 428-431, 432, 444-448
	TE: Error Prevention 427, 451, 454, 457, Lesson Quiz 431, Guided Instruction 432
	TR: Practice, Adapted Practice, Reteaching, Enrichment, Checkpoint Quizzes, Alternative Assessment, Chapter Projects, Chapter Tests, Cumulative Review, Assessment Resources, Guided Problem Solving, Activity Labs, Daily Puzzles, Vocabulary and Study Skills Worksheet, Daily Notetaking Guide
	TECH: 442 in SE/TE and Transparencies: Check Skills You'll Need, Additional Examples, Problem of the Day, Classroom Aid, Student Edition Answers, Lesson Quiz, Test-Taking Strategies; Interactive Textbook Online, StudentExpress CD-ROM, Success Tracker, Teacher Express CD-ROM, PresentationExpress CD-ROM, ExamView, MindPoint Quiz Show CD-ROM, www.PHSchool.com web code ase-0904
Describe how data can be interpreted in more than one way or be used to support more than one position in a debate.	SE/TE: 417, 427-432, 445-447, 448, 460, 508-509, 520 (#12-21), 620-621
	TE: Additional Examples 445, Lesson Quiz 447
	TR: Practice, Adapted Practice, Reteaching, Enrichment, Checkpoint Quizzes, Alternative Assessment, Chapter Projects, Chapter Tests, Cumulative Review, Assessment Resources, Guided Problem Solving, Activity Labs, Daily Puzzles, Vocabulary and Study Skills Worksheet, Daily Notetaking Guide

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Benchmark 4 Formulate hypotheses, drawing conclusions, and making convincing arguments based on data analysis.	
Assessment Objectives	
Formulate hypotheses, draw conclusions, and make convincing arguments based on data analysis.	SE/TE: 245, 246-250, 256-257, 298-299, 323, 443, 444-447, 460, 464, 474, 475-479, 485, 508-509, 602, 622-623
	TE: Error Prevention 247, 476
	TR: Practice, Adapted Practice, Reteaching, Enrichment, Checkpoint Quizzes, Alternative Assessment, Chapter Projects, Chapter Tests, Cumulative Review, Assessment Resources, Guided Problem Solving, Activity Labs, Daily Puzzles, Vocabulary and Study Skills Worksheet, Daily Notetaking Guide
	TECH: 460, 484, 492 in SE/TE and Transparencies: Check Skills You'll Need, Additional Examples, Problem of the Day, Classroom Aid, Student Edition Answers, Lesson Quiz, Test-Taking Strategies; Interactive Textbook Online, StudentExpress CD-ROM, Success Tracker, Teacher Express CD-ROM, PresentationExpress CD-ROM, ExamView, MindPoint Quiz Show CD-ROM, www.PHSchool.com web code: ase- 0508, ase-1002, ase-0553, ase-1053
Benchmark 5 Determine probabilities* through experiments or simulations.	
<i>No objectives assessed at this level.</i>	

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Benchmark 6 Make predictions and compare results using both experimental and theoretical probability* drawn from real-world problems*.	
Assessment Objectives	
Use a model (list, tree diagram, area model) to determine theoretical probabilities* to solve problems involving uncertainty.	SE/TE: : xxxvii, 246-250, 470-473, 474, 475-478, 479, 480-483, 484, 485, 486-490, 503, 504-505, 506, 508-509, 622-623
	TE: Error Prevention 247, 492, 497, 501, Additional Examples 470, 483, Lesson Quiz 473
	TR: Practice, Adapted Practice, Reteaching, Enrichment, Checkpoint Quizzes, Alternative Assessment, Chapter Projects, Chapter Tests, Cumulative Review, Assessment Resources, Guided Problem Solving, Activity Labs, Daily Puzzles, Vocabulary and Study Skills Worksheet, Daily Notetaking Guide
	TECH: 63 in SE/TE and Transparencies: Check Skills You'll Need, Additional Examples, Problem of the Day, Classroom Aid, Student Edition Answers, Lesson Quiz, Test-Taking Strategies; Interactive Textbook Online, StudentExpress CD-ROM, Success Tracker, Teacher Express CD-ROM, PresentationExpress CD-ROM, ExamView, MindPoint Quiz Show CD-ROM, www.PHSchool.com web code: ase-1001, ase-1002
Make predictions using theoretical probability* in real-world problems*.	SE/TE: 245, 246-250, 470-473, 474, 475-478, 479, 484, 485, 490, 503, 506 (#1-13), 508-509, 602, 622-623
	TE: Additional Examples 247, Lesson Quiz 250
	TR: Practice, Adapted Practice, Reteaching, Enrichment, Checkpoint Quizzes, Alternative Assessment, Chapter Projects, Chapter Tests, Cumulative Review, Assessment Resources, Guided Problem Solving, Activity Labs, Daily Puzzles, Vocabulary and Study Skills Worksheet, Daily Notetaking Guide

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Benchmark 7 Use counting strategies to determine all the possible outcomes from an experiment (for example, the number of ways students can line up to have their picture taken).	
Assessment Objectives	
Use a model or counting technique to determine all the possible outcomes from an experiment (for example, the number of ways students can line up to have their picture taken).	SE/TE: 491-495, 496-499, 500, 501-502, 505 (#14, 15), 506 (#23-28), 507, 622-623 (#17-25, 34, 36)
	TE: Additional Examples 493, 497 Error Prevention 501
	TR: Practice, Adapted Practice, Reteaching, Enrichment, Checkpoint Quizzes, Alternative Assessment, Chapter Projects, Chapter Tests, Cumulative Review, Assessment Resources, Guided Problem Solving, Activity Labs, Daily Puzzles, Vocabulary and Study Skills Worksheet, Daily Notetaking Guide
	TECH: 492 in SE/TE and Transparencies: Check Skills You'll Need, Additional Examples, Problem of the Day, Classroom Aid, Student Edition Answers, Lesson Quiz, Test-Taking Strategies; Interactive Textbook Online, StudentExpress CD-ROM, Success Tracker, Teacher Express CD-ROM, PresentationExpress CD-ROM, ExamView, MindPoint Quiz Show CD-ROM, www.PHSchool.com web code ase-1005, ase-0775

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Standard 4 Students use geometric concepts, properties, and relationships in problem-solving situations* and communicate the reasoning used in solving these problems.	
Benchmark 1 Construct two-and three-dimensional models using a variety of materials and tools.	
<i>No objectives assessed at this level.</i>	
Benchmark 2 Describe, analyze and reason informally about the properties (for example, parallelism, perpendicularity, congruence*) of two- and three-dimensional figures.	
Assessment Objectives	
Describe, analyze and reason informally about properties (for example, parallelism, perpendicularity, congruence*, and similarity*) of two- and three-dimensional figures.	SE/TE: 307-310, 311. 312-317, 318-322, 324-327, 341-344, 363-366, 368, 370, 371, 376, 387, 404, 408-409, 461, 579 (#34)
	TE: Error Prevention 311, 325, : Additional Examples 365
	TR: Practice, Adapted Practice, Reteaching, Enrichment, Checkpoint Quizzes, Alternative Assessment, Chapter Projects, Chapter Tests, Cumulative Review, Assessment Resources, Guided Problem Solving, Activity Labs, Daily Puzzles, Vocabulary and Study Skills Worksheet, Daily Notetaking Guide
	TECH: 191, 344 in SE/TE and Transparencies: Check Skills You'll Need, Additional Examples, Problem of the Day, Classroom Aid, Student Edition Answers, Lesson Quiz, Test-Taking Strategies; Interactive Textbook Online, StudentExpress CD-ROM, Success Tracker, Teacher Express CD-ROM, PresentationExpress CD-ROM, ExamView, MindPoint Quiz Show CD-ROM, www.PHSchool.com web code: ase-0702, ase-0703, ase-0704, ase-0705, ase-0708, web code: ase-0803, ase-0853, ase-1204

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Colorado CSAP Assessment Frameworks	PAGE(S) WHERE TAUGHT (If submission is not a text, cite appropriate resource(s))
Benchmark 3 Apply the concept of ratio, proportion and similarity* in problem-solving situations*.	
Assessment Objectives	
Apply the concept of ratio, proportion, and similarity* in problem-solving situations*.	SE/TE: 172-173, 175-178, 179-180, 181-184, 185, 187-190, 192-196, 197-200, 201, 203 (#25-28), 218-222, 346-250, 397, 398-401, 451-452, 599, 610-611
	TE: Error Prevention 172, 176, 179, 191, 198, 220, 451
	TR: Practice, Adapted Practice, Reteaching, Enrichment, Checkpoint Quizzes, Alternative Assessment, Chapter Projects, Chapter Tests, Cumulative Review, Assessment Resources, Guided Problem Solving, Activity Labs, Daily Puzzles, Vocabulary and Study Skills Worksheet, Daily Notetaking Guide
	TECH: 175, 218, 225 in SE/TE & Transparencies: Check Skills You'll Need, Additional Examples, Problem of the Day, Classroom Aid, Student Edition Answers, Lesson Quiz, Test-Taking Strategies; Interactive Textbook Online, StudentExpress CD-ROM, Success Tracker, Teacher Express CD-ROM, PresentationExpress CD-ROM, ExamView, MindPoint Quiz Show CD-ROM, www.PHSchool.com web code: ase-0403, ase-0406, ase-0407, ase-0809
Benchmark 4 Solve problems using coordinate geometry*.	
Assessment Objectives	
Solve problems in real-world situations* using coordinate geometry* (for example, maps, distance on a number line).	SE/TE: 10, 15, 124-127, 128, 129, 130-135, 523-526, 527, 528-531, 533, 534-538, 539, 540-543, 545 (#5), 550, 551, 553 (#24, 25), 554 (#24, 28), 624-625
	TE: Error Prevention 527, 529, 550, Lesson Quiz 127

Colorado CSAP Assessment Frameworks	PAGE(S) WHERE TAUGHT (If submission is not a text, cite appropriate resource(s))
	TR: Practice, Adapted Practice, Reteaching, Enrichment, Checkpoint Quizzes, Alternative Assessment, Chapter Projects, Chapter Tests, Cumulative Review, Assessment Resources, Guided Problem Solving, Activity Labs, Daily Puzzles, Vocabulary and Study Skills Worksheet, Daily Notetaking Guide
	TECH: 533 in SE/TE and Transparencies: Check Skills You'll Need, Additional Examples, Problem of the Day, Classroom Aid, Student Edition Answers, Lesson Quiz, Test-Taking Strategies; Interactive Textbook Online, StudentExpress CD-ROM, Success Tracker, Teacher Express CD-ROM, PresentationExpress CD-ROM, ExamView, MindPoint Quiz Show CD-ROM, www.PHSchool.com web code: ase-1103, ase-1104, ase-1105, ase-1106
Benchmark 5 Solving problems involving perimeter and area in two dimensions, and involving surface area and volume* in three dimensions.	
Assessment Objectives	
Solve problems involving perimeter and area in two dimensions, and involving surface area and volume* in three dimensions (include right prisms and cylinders).	SE/TE: 81-89, 91 (#10), 101 (#14), 329-339, 368-373, 374-378, 383-384, 385-386, 387, 388-391, 392, 397, 398-401, 403 (#1), 404-405 (#15-20, 22-24), 406 (#15-18, 23-28), 408-409, 461, 466-467, 601, 618-619
	TE: Error Prevention 82, 329, 359, 369, 375, 385, 403
	TR: Practice, Adapted Practice, Reteaching, Enrichment, Checkpoint Quizzes, Alternative Assessment, Chapter Projects, Chapter Tests, Cumulative Review, Assessment Resources, Guided Problem Solving, Activity Labs, Daily Puzzles, Vocabulary and Study Skills Worksheet, Daily Notetaking Guide

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	TECH: 370 in SE/TE & Transparencies: Check Skills You'll Need, Additional Examples, Problem of the Day, Classroom Aid, Student Edition Answers, Lesson Quiz, Test-Taking Strategies; Interactive Textbook Online, StudentExpress CD-ROM, Success Tracker, Teacher Express CD-ROM, PresentationExpress CD-ROM, ExamView, MindPoint Quiz Show CD-ROM, www.PHSchool.com web code: ase-0206, ase-0804, ase-0805, ase-0809
Apply the Pythagorean Theorem to solve real-world problems*.	SE/TE: 112-115, 117 (#3, 6), 118-123, 122-123, 125-127, 139 (#24), 153 (#14-17), 154 (#13-17), 158 (#16-18), 350-351
	TE: Error Prevention 113, 122
	TR: Practice, Adapted Practice, Reteaching, Enrichment, Checkpoint Quizzes, Alternative Assessment, Chapter Projects, Chapter Tests, Cumulative Review, Assessment Resources, Guided Problem Solving, Activity Labs, Daily Puzzles, Vocabulary and Study Skills Worksheet, Daily Notetaking Guide
	TECH: 113, 119 in SE/TE & Transparencies: Check Skills You'll Need, Additional Examples, Problem of the Day, Classroom Aid, Student Edition Answers, Lesson Quiz, Test-Taking Strategies; Interactive Textbook Online, StudentExpress CD-ROM, Success Tracker, Teacher Express CD-ROM, PresentationExpress CD-ROM, ExamView, MindPoint Quiz Show CD-ROM, www.PHSchool.com web code: ase- 0302, ase-0303, ase-0306, ase-0753
Benchmark 6 Transform geometric figures using reflections*, translations*, and rotations* to explore congruence*.	
Assessment Objectives	
Transform geometric figures using reflections*, translations*, and rotations* to determine congruence*.	SE/TE: 136-139, 140, 141-144, 145, 146-149, 150, 152-153 (#28-30), 154 (#35-37), 187-190, 191, 202-203 (#28), 204 (#33), 345 (#2), 608-609 (#25-27, 34,-37), 610-611 (#16, 17)

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	TE: 137, 140, 145
	TR: Practice, Adapted Practice, Reteaching, Enrichment, Checkpoint Quizzes, Alternative Assessment, Chapter Projects, Chapter Tests, Cumulative Review, Assessment Resources, Guided Problem Solving, Activity Labs, Daily Puzzles, Vocabulary and Study Skills Worksheet, Daily Notetaking Guide
	TECH: 191 in SE/TE & Transparencies: Check Skills You'll Need, Additional Examples, Problem of the Day, Classroom Aid, Student Edition Answers, Lesson Quiz, Test-Taking Strategies; Interactive Textbook Online, StudentExpress CD-ROM, Success Tracker, Teacher Express CD-ROM, PresentationExpress CD-ROM, ExamView, MindPoint Quiz Show CD-ROM, www.PHSchool.com web code: ase-0306, ase-0307, ase-0308, ase-0405
Standard 5 Students use a variety of tools and techniques to measure, apply the results in problem-solving situations*, and communicate the reasoning used in solving these problems.	
Benchmark 1 Estimate, use and describe measures of distance, perimeter, area, volume*, capacity*, weight, mass, and angle comparison.	
Assessment Objectives	
Estimate and use measures of area, volume*, capacity*, weight, and angle comparisons to solve problems.	SE/TE: xxxviii, 61, 80, 81-84, 88-89 (#31-44), 91 (#10), 101 91 (#14), 104, 107-110 (Example 3 & #32-34), 324-327, 328-332, 333-335, 367, 368-373, 374-379, 380-389, 392, 397, 398-401, 402, 403, 404-405 (#15-20, 22-24), 406 (#15-28), 408-409, 461, 466-467, 601, 618-619
	TE: Error Prevention 167, 359, 369, 375, 385, 397,402, 403
	TR: Practice, Adapted Practice, Reteaching, Enrichment, Checkpoint Quizzes, Alternative Assessment, Chapter Projects, Chapter Tests, Cumulative Review, Assessment Resources, Guided Problem Solving, Activity Labs, Daily Puzzles, Vocabulary and Study Skills Worksheet, Daily Notetaking Guide

Colorado CSAP Assessment Frameworks	PAGE(S) WHERE TAUGHT (If submission is not a text, cite appropriate resource(s))
	<p>TECH: 107, 167, 168, 198, 230 in SE/TE & Transparencies: Check Skills You'll Need, Additional Examples, Problem of the Day, Classroom Aid, Student Edition Answers, Lesson Quiz, Test-Taking Strategies; Interactive Textbook Online, StudentExpress CD-ROM, Success Tracker, Teacher Express CD-ROM, PresentationExpress CD-ROM, ExamView, MindPoint Quiz Show CD-ROM, www.PHSchool.com web code: ase-0206, ase-0301, ase-0303, ase-0407, ase-0953, ase-0953, ase-0553, ase-0402, ase-0206, ase-0806, ase-0807, ase-0809, ase-0953, : ase-0804, ase-0805, ase-0809</p>
<p>Benchmark 2 Estimate, make, and use direct and indirect measurements to describe and make comparisons.</p>	
<p>Estimate, make and use direct and indirect measurements to describe and make comparisons (for example, use a proportion to find the height of a flag pole).</p>	<p>SE/TE: 96, 161-165, 166-171, 181-184, 185, 186, 187-190 (Example 2 & #11, 15-20), 192-194, 195, 196-200, 201, 203 (#29-36), 204 (#24-34), 610-611</p>
	<p>TE: Error Prevention 161, 188, 196</p>
	<p>TR: Practice, Adapted Practice, Reteaching, Enrichment, Checkpoint Quizzes, Alternative Assessment, Chapter Projects, Chapter Tests, Cumulative Review, Assessment Resources, Guided Problem Solving, Activity Labs, Daily Puzzles, Vocabulary and Study Skills Worksheet, Daily Notetaking Guide</p>
	<p>TECH: Transparencies: Check Skills You'll Need, Additional Examples, Problem of the Day, Classroom Aid, Student Edition Answers, Lesson Quiz, Test-Taking Strategies; Interactive Textbook Online, StudentExpress CD-ROM, Success Tracker, Teacher Express CD-ROM, PresentationExpress CD-ROM, ExamView, MindPoint Quiz Show CD-ROM, www.PHSchool.com web code: ase-0404, ase-0407, Online Interactive Textbook 4-1</p>

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Benchmark 3 Read and interpret various scales including those based on number lines, graphs, and maps.	
Assessment Objectives	
Read and interpret scales on number lines, graphs and maps (for example, given a map and a scale, determine the distance between two points on the map).	SE/TE: 10, 15, 124-127, 128, 129, 130-135, 187-191, 192-196, 197-200, 201, 203 (#29-35, 610-611 (#16-31), 523-526, 527, 528-531, 533, 534-538, 539, 540-543, 545 (#5), 550, 551, 553 (#24, 25), 554 (#24, 28), 624-625
	TE: Error Prevention 188, 196, 198
	TR: Practice, Adapted Practice, Reteaching, Enrichment, Checkpoint Quizzes, Alternative Assessment, Chapter Projects, Chapter Tests, Cumulative Review, Assessment Resources, Guided Problem Solving, Activity Labs, Daily Puzzles, Vocabulary and Study Skills Worksheet, Daily Notetaking Guide
	TECH: 175, 218, 225 in SE/TE & Transparencies: Check Skills You'll Need, Additional Examples, Problem of the Day, Classroom Aid, Student Edition Answers, Lesson Quiz, Test-Taking Strategies; Interactive Textbook Online, StudentExpress CD-ROM, Success Tracker, Teacher Express CD-ROM, PresentationExpress CD-ROM, ExamView, MindPoint Quiz Show CD-ROM, www.PHSchool.com web code: ase-0405, ase-0406, ase-0407
Benchmark 4 Develop and use formulas and procedures to solve problems involving measurement.	
Assessment Objectives	
Develop and use procedures or formulas to solve problems involving measurement (for example, distance, area, surface area, and volume* of right prisms and cylinders).	SE/TE: xxxviii, 61, 80, 81-84, 88-89 (#31-44), 91 (#10), 101 91 (#14), 104, 107-110 (Example 3 & #32-34), 324-327, 328-332, 333-335, 367, 368-373, 374-379, 380-389, 392, 397, 398-401, 402, 403, 404-405 (#15-20, 22-24), 406 (#15-28), 408-409, 461, 466-467, 601, 618-619
	TE: Error Prevention 167, 359, 369, 375, 385, 397,402, 403

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	TR: Practice, Adapted Practice, Reteaching, Enrichment, Checkpoint Quizzes, Alternative Assessment, Chapter Projects, Chapter Tests, Cumulative Review, Assessment Resources, Guided Problem Solving, Activity Labs, Daily Puzzles, Vocabulary and Study Skills Worksheet, Daily Notetaking Guide
	TECH: 107, 167, 168, 198, 230 in SE/TE & Transparencies: Check Skills You'll Need, Additional Examples, Problem of the Day, Classroom Aid, Student Edition Answers, Lesson Quiz, Test-Taking Strategies; Interactive Textbook Online, StudentExpress CD-ROM, Success Tracker, Teacher Express CD-ROM, PresentationExpress CD-ROM, ExamView, MindPoint Quiz Show CD-ROM, www.PHSchool.com web code: ase-0206, ase-0301, ase-0303, ase-0407, ase-0953, ase-0953, ase-0553, ase-0402, ase-0206, ase-0806, ase-0807, ase-0809, ase-0953, : ase-0804, ase-0805, ase-0809
Benchmark 5 Describe how a change in an object's linear dimensions affects its perimeter, area, and volume*.	
Assessment Objectives	
Describe how a change in an object's linear dimensions affects its perimeter, area and volume* (for example, how the area of a circle changes as the radius increases).	SE/TE: 88 (#12, 40, 44), 333 (#2), 367, 372 (#21), 379, 380-384, 385
	TR: Practice, Adapted Practice, Reteaching, Enrichment, Checkpoint Quizzes, Alternative Assessment, Chapter Projects, Chapter Tests, Cumulative Review, Assessment Resources, Guided Problem Solving, Activity Labs, Daily Puzzles, Vocabulary and Study Skills Worksheet, Daily Notetaking Guide

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	TECH: Transparencies: Check Skills You'll Need, Additional Examples, Problem of the Day, Classroom Aid, Student Edition Answers, Lesson Quiz, Test-Taking Strategies; Interactive Textbook Online, StudentExpress CD-ROM, Success Tracker, Teacher Express CD-ROM, PresentationExpress CD-ROM, ExamView, MindPoint Quiz Show CD-ROM, www.PHSchool.com
Benchmark 6 Select and use appropriate units and tools to measure to the degree of accuracy required in a particular problem-solving situation*.	
<i>No objectives assessed at this level.</i>	
Standard 6 Students link concepts and procedures as they develop and use computational techniques, including estimation, mental arithmetic*, paper-and-pencil, calculators, and computers, in problem-solving situations* and communicate the reasoning used in solving these problems.	
Benchmark 1 Use models* to explain how ratios, proportions, and percents can be used to solve real-world problems*.	
Assessment Objectives	
Use models* to explain how ratios, proportions, and percents can be used to solve real-world problems* .	SE/TE: 161, 167, 179-184, 185-186, 187-190 (Example 3 & #11-20), 201, 214-217, 218-222, 223, 224-228, 229, 230-233, 234-238, 239, 240-241, 242-244, 251, 252-253, 254, 255, 256-257
	TE: Error Prevention 161, 185, 206-207, 215, 220, 229, 231, 235, 241
	TR: Practice, Adapted Practice, Reteaching, Enrichment, Checkpoint Quizzes, Alternative Assessment, Chapter Projects, Chapter Tests, Cumulative Review, Assessment Resources, Guided Problem Solving, Activity Labs, Daily Puzzles, Vocabulary and Study Skills Worksheet, Daily Notetaking Guide

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	<p>TECH: 63, 230, 45 in SE/TE & Transparencies: Check Skills You'll Need, Additional Examples, Problem of the Day, Classroom Aid, Student Edition Answers, Lesson Quiz, Test-Taking Strategies; Interactive Textbook Online, StudentExpress CD-ROM, Success Tracker, Teacher Express CD-ROM, PresentationExpress CD-ROM, ExamView, MindPoint Quiz Show CD-ROM, www.PHSchool.com web code: ase-0501, ase-0502, ase-0504, ase-0505, ase-0507, ase-0553, ase-0775, ase-0404, ase-0405, ase-0407, Online Interactive Textbook 4-1, 5-3</p>
<p>Convert from one set of units to another using proportions.</p>	<p>SE/TE: 164, 165, 166-171, -175-178 (Example 2 # & 23-26, 35), 179-180, 610</p>
	<p>TE: Guided Instruction 167, Error Prevention 231, 235</p>
	<p>TR: Practice, Adapted Practice, Reteaching, Enrichment, Checkpoint Quizzes, Alternative Assessment, Chapter Projects, Chapter Tests, Cumulative Review, Assessment Resources, Guided Problem Solving, Activity Labs, Daily Puzzles, Vocabulary and Study Skills Worksheet, Daily Notetaking Guide</p>
	<p>TECH: Transparencies: Check Skills You'll Need, Additional Examples, Problem of the Day, Classroom Aid, Student Edition Answers, Lesson Quiz, Test-Taking Strategies; Interactive Textbook Online, StudentExpress CD-ROM, Success Tracker, Teacher Express CD-ROM, PresentationExpress CD-ROM, ExamView, MindPoint Quiz Show CD-ROM, www.PHSchool.com web code ase-0775, ase-0402, ase-0404, ase-0405, ase-0407:</p>

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Benchmark 2 Construct, use and explain procedures to compute and estimate with whole numbers, fractions, decimals, and integers*.	
Assessment Objectives	
Apply order of operations to evaluate simple expressions with integers*.	SE/TE: 4-8, 11. 15, 16-19, 21-23, 24-25, 26-31, 37, 43 46 (# 5-24), 48-49, 86-89, 99 (#31-33), 100 (#35-44), 104, 300 (#1-3), 374-378, 380-384, 385-386, 604-605 (#1-4, 9-26,), 606-607 (#33-41)
	TE: Guided Instruction 15, 37, 87, 375
	TR: Practice, Adapted Practice, Reteaching, Enrichment, Checkpoint Quizzes, Alternative Assessment, Chapter Projects, Chapter Tests, Cumulative Review, Assessment Resources, Guided Problem Solving, Activity Labs, Daily Puzzles, Vocabulary and Study Skills Worksheet, Daily Notetaking Guide
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Benchmark 3 Develop, apply and explain a variety of different estimation strategies in problem-solving situations*, and explain why an estimate may be acceptable in place of an exact answer.	
<i>No objectives assessed at this level.</i>	

Colorado CSAP Assessment Frameworks	PAGE(S) WHERE TAUGHT (If submission is not a text, cite appropriate resource(s))
<p>Benchmark 4 Select and use appropriate algorithms* for computing with commonly used fractions and decimals, percents, and integers* in problem-solving situations* and determining whether the results are reasonable.</p>	
<p>Assessment Objectives</p>	
<p>Apply computational methods (including ratio and proportion) to solve problems involving commonly used fractions, decimals, percents, and integers* (for example, discount, tax, sale price, unit price) and determine whether the results are reasonable.</p>	<p>SE/TE: xxxiv, xxxv, xxxvi, xxxvii, xxxviii, xxxix, xi, xii, 24-25, 47-49, 88-89 (# 31, 42, 37-40, 43-45), 102-103, 114-115 (#14, 15, 20, 21, 25-27), 156-157, 162-164, 179-180, 199 (#2-15, 16, 21-23), 201, 206-207, 226-227 (#7, 8, 15), 234-238, 251, 279-280, 293, 350-351, 537-538 (#6-8, 16-18, 20-21), 537-538 (#6-8, 16-18, 20-21), 537-538 (#6-8, 16-18, 20-21), 508-509, 542-543 (#3, 4, 9, 11, 15, 16, 17), 256-257, 350-351, 537, 584-585 (#14, 23, 24, 33, 38), 596-597</p>
	<p>TE: Differentiated Instruction 47; Error Prevention 235, 279</p>
	<p>TR: Practice, Adapted Practice, Reteaching, Enrichment, Checkpoint Quizzes, Alternative Assessment, Chapter Projects, Chapter Tests, Cumulative Review, Assessment Resources, Guided Problem Solving, Activity Labs, Daily Puzzles, Vocabulary and Study Skills Worksheet, Daily Notetaking Guide</p>
	<p>TECH: Transparencies: Check Skills You'll Need, Additional Examples, Problem of the Day, Classroom Aid, Student Edition Answers, Lesson Quiz, Test-Taking Strategies; Interactive Textbook Online, StudentExpress CD-ROM, Success Tracker, Teacher Express CD-ROM, PresentationExpress CD-ROM, ExamView, MindPoint Quiz Show CD-ROM, www.PHSchool.com web code: ase-0153, ase-0207, ase-0253, ase-0302, ase-0353, ase-0453, ase-0653, ase-1053, ase-1205</p>