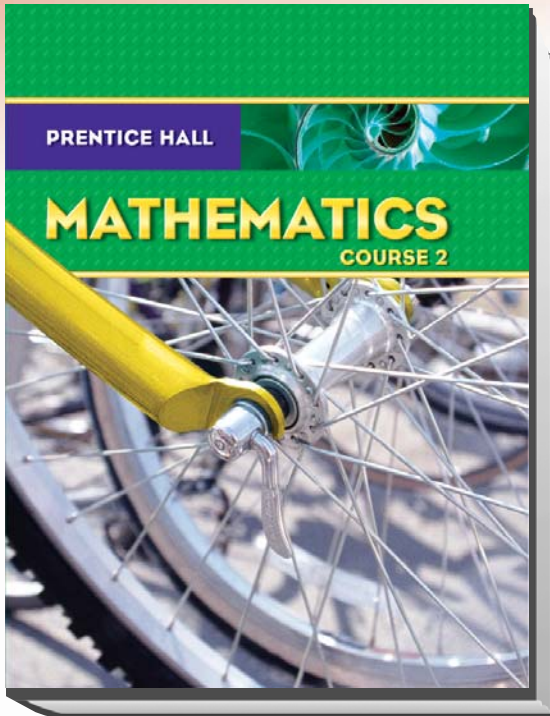


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C O R R E L A T E D T O

Hawaii HCSP III Benchmarks

Grade 7

PEARSON

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Correlated to:
Hawaii HCSP III Benchmarks
(Grade 7)

HAWAII HCSP III BENCHMARKS	PAGE(S) WHERE TAUGHT (If submission is not a text, cite appropriate resource(s))
Content Area: Math	
Grade/Course: 7	
Strand: Numbers and Operations	
Standard 1: Numbers and Operations: NUMBER SENSE: Understand numbers, ways of representing numbers, relationships among numbers, and number systems	
Topic: Numbers and Number Systems	
Benchmark	
MA.7.1.1 Solve problems using fractions, decimals, and percents	SE/TE: 8-17, 19-25, 125-129, 130-133, 135-140, 146-147, 164-165, 290-314, 320-321
	TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs: 1-2, 1-3, 1-4, 3-2, 3-3, 3-4, 6-4, 6-5, 6-6, 6-7, 6-8; Vocabulary and Study Skills Worksheets (English and Spanish): 1-3, 3-3, 3-4, 6-5, 6-7, 6-8; Checkpoint Quiz: 1-3, 3-3, 6-7
MA.7.1.2 Identify situations that require the use of large numbers and represent them using scientific notation	SE/TE: 106-110, 113 (#35-38), 114 (#51-54), 115 (#5-8), 145 (#52-54), 163 (#6), 319 (#10), 527 (#8), 632 (#38-41)
	TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs: 2-8; Vocabulary and Study Skills Worksheets (English and Spanish): 2-8
MA.7.1.3 Describe and solve situations represented by integers and absolute value	SE/TE: 31-34, 35 (Checkpoint Quiz 2 #7-9), 42 (#41-42), 47 (#40), 57 (#36-37), 61 (Lesson 1-6), 62 (#23-26, 31), 66 (#5-10), 78 (#55-57), 163 (#2), 208 (#39-41), 248 (#42-44), 319 (#13), 322 (#1-4), 484 (#1-4), 530 (#1), 630 (#21-24)
	TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs: 1-6; Vocabulary and Study Skills Worksheets (English and Spanish): 1-6; Checkpoint Quiz: 1-6

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HAWAII HCSP III BENCHMARKS	PAGE(S) WHERE TAUGHT (If submission is not a text, cite appropriate resource(s))
MA.7.1.4 Apply number theory concepts to solve problems	SE/TE: 68-71 74-79, 80-81, 83, 109 (#36-39), 112, 114, 115 (#1-4), 118 (#9-12), 319 (#3), 400-403, 418 (#30-32), 420 (Checkpoint Quiz 2 #1), 429 (Lesson 8-6, #14), 430, 431 (#9), 484 (#9-12), 632, 633 (#44), 644 (#15-20), 645 (#33)
	TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs: 2-1, 2-2, 2-3; Vocabulary and Study Skills Worksheets (English and Spanish): 2-1, 2-3; Checkpoint Quiz; 2-2
Strand: Numbers and Operations	
Standard 2: Numbers and Operations: OPERATION SENSE: Understand the meaning of operations and how they relate to each other	
Topic: Operations	
Benchmark	
MA.7.2.1 Describe situations involving arithmetic operations with integers	SE/TE: 42 (#37), 43 (#3, 5), 47 (#34), 64 (#3b, 4)
	TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs: 1-7, 1-8; Vocabulary and Study Skills Worksheets (English and Spanish): 1-8
MA.7.2.2 Apply the order of operations when calculating with rational number, excluding exponents	SE/TE: 48-51, 61 (#27-30), 62 (#17-18), 66 (#15-17), 72, 163 (#3), 166 (#9-14), 172 (#42-44), 184 (#43), 372 (#3-5), 630 (#37-44), 631 (#54)
	TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs: 1-9
MA.7.2.3 Apply the inverse relationship between addition and subtraction, and between multiplication and division, to solve one-step equations	SE/TE: 179-184, 186-191, 221-222, 231 (#36-38), 272 (#10-13), 322 (#5-10), 619 (#3), 620 (#17), 636 (#10-17), 637 (#37-38)
	TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs: 4-3, 4-4; Vocabulary and Study Skills Worksheets (English and Spanish): 4-3; Checkpoint Quiz: 4-4

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HAWAII HCSP III BENCHMARKS	PAGE(S) WHERE TAUGHT (If submission is not a text, cite appropriate resource(s))
Strand: Numbers and Operations	
Standard 3: Numbers and Operations: COMPUTATION STRATEGIES: Use computational tools and strategies fluently and, when appropriate, use estimation	
Topic: Computational Fluency	
Benchmark	
MA.7.3.1 Add, subtract, multiply, and divide integers	SE/TE: 36-47, 51 (#38-41), 61-62, 66 (#11-41), 71 (#44-47), 90 (#43), 94 (#45-47), 118, 166 (#5-8), 177 (#40-42), 198 (#45), 287 (#52), 630 (#25-26)
	TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs: 1-7, 1-8; Vocabulary and Study Skills Worksheets (English and Spanish): 1-8
Topic: Estimation	
Benchmark	
MA.7.3.2 Determine the reasonableness of a solution by comparing the answer to an estimate	SE/TE: 4-8, 14, 16 (#11-19), 18 (Checkpoint Quiz 1 #1-4), 60, 62 (#1-5), 127 (Example 3), 130-131, 137 (Example 3), 142 (Example 3), 146, 147 (#3d, 4d), 192, 233 (Example 2), 272 (#1-4), 280 (Example 3), 285 (Example 4), 299 (Example 3), 302, 423 (Example 3), 424 (#11-13), 446 (Example 1), 630 (#1-4)
	TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs: 1-1; Vocabulary and Study Skills Worksheets (English and Spanish): 1-1
Strand: Measurement	
Standard 4: Measurement: FLUENCY WITH MEASUREMENT: Understand attributes, units, and systems of units in measurement; and develop and use techniques, tools, and formulas for measuring	
Topic: Measurement Attributes and Units	
Benchmark	
MA.7.4.1 Determine how measurements, such as perimeter and area, of common shapes (e.g., squares, rectangles, parallelograms, triangles, circles) are affected when one of the attributes is changed in some way	SE/TE: 376, 381, 383 (#23), 392 (#16), 422 (Quick Check 1-2)
	TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs: 8-1, 8-2; Vocabulary and Study Skills Worksheets (English and Spanish): 8-1

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HAWAII HCSP III BENCHMARKS	PAGE(S) WHERE TAUGHT (If submission is not a text, cite appropriate resource(s))
Topic: Measurement Tools and Techniques	
Benchmark	
MA.7.4.2 Uses ratios and proportions to relate a scale drawing to the actual object	SE/TE: 258-263, 267 (#27-28), 268 (#33), 270-271, 319 (#15), 334 (#35), 339 (#25), 445 (#34-37), 527 (#11), 589 (#25), 621 (#39), 638 (#27-32), 639 (#44-45)
	TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs: 5-6; Vocabulary and Study Skills Worksheets (English and Spanish): 5-6
Topic: Measurement Formulas	
Benchmark	
MA.7.4.3 Use known measurements (e.g., radius) to calculate desired measurements (e.g., circumference and area) of circles	SE/TE: 394-397, 427 (Example, #1), 429 (#11-13), 430 (#7-8), 459 (#23), 489 (#40), 527 (#13), 619 (#11), 644 (#11-14), 645 (#32)
	TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs: 8-5
Strand: Geometry and Spatial Sense	
Standard 5: Geometry and Spatial Sense: PROPERTIES AND RELATIONSHIPS: Analyze properties of objects and relationships among the properties	
Topic: Geometric Shapes and Their Properties and Relationships	
Benchmark	
MA.7.5.1 Apply the concept of similarity to solve problems	SE/TE: 251-257, 263 (#28, 30), 267 (#24-25), 268 (#26, 28), 307 (#30), 620 (#20), 638 (#25-26), 639 (#41-43)
	TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs: 5-5; Vocabulary and Study Skills Worksheets (English and Spanish): 5-5; Checkpoint Quiz: 5-5

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HAWAII HCSP III BENCHMARKS	PAGE(S) WHERE TAUGHT (If submission is not a text, cite appropriate resource(s))
Strand: Geometry and Spatial Sense	
Standard 6: Geometry and Spatial Sense: TRANSFORMATIONS AND SYMMETRY: Use transformations and symmetry to analyze mathematical situations	
Topic: Transformation	
Benchmark	
MA.7.6.1 Describe changes in size between a given figure and its dilation	SE/TE: 254 (#11-12), 256, 489 (#34)
Strand: Geometry and Spatial Sense	
Standard 7: Geometry and Spatial Sense: VISUAL AND SPATIAL SENSE: Use visualization and spatial reasoning to solve problems both within and outside of mathematics	
There are no benchmarks for this standard for this Grade/Course.	
Strand: Geometry and Spatial Sense	
Standard 8: Geometry and Spatial Sense: REPRESENTATIONAL SYSTEMS: Select and use different representational systems, including coordinate geometry	
Topic: Coordinate Geometry	
Benchmark	
MA.7.8.1 Use coordinate geometry to determine the change in size of a figure that is dilated by a scale factor	SE/TE: 489 (#34)
Strand: Patterns, Functions, and Algebra	
Standard 9: Patterns, Functions, and Algebra: PATTERNS AND FUNCTIONAL RELATIONSHIPS: Understand various types of patterns and functional relationships	
Topic: Patterns	
Benchmark	
MA.7.9.1 Create a pattern or function for a rule given in symbolic form	SE/TE: 447, 448 (#7-12), 449 (#23, 27a), 453, 454 (#12-19), 455 (#27-28)
	TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs: 9-3, 9-4; Vocabulary and Study Skills Worksheets (English and Spanish): 9-3, 9-4; Checkpoint Quiz: 9-3

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Topic: Functions	
Benchmark	
MA.7.9.2 Describe multi-step functions using words and symbols when given a table of "input" and "output" values and use the rule for the function to determine other input and output values	SE/TE: 451-455, 465 (Checkpoint Quiz 2 #1-3), 479 (Lesson 9-4), 480 (#11-13), 527 (#1), 646 (#7-10), 647 (#24)
	TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs: 9-4; Vocabulary and Study Skills Worksheets (English and Spanish): 9-4
Strand: Patterns, Functions, and Algebra	
Standard 10: Patterns, Functions, and Algebra: SYMBOLIC REPRESENTATION: Use symbolic forms to represent, model, and analyze mathematical situations	
Topic: Numeric and Algebraic Representations	
Benchmark	
MA.7.10.1 Analyze the relationship among tables, graphs (including graphing technology when available), and equations of linear functions, paying particular attention to the meaning of intercept and slope	SE/TE: 498-503, 525 (Lesson 10-3), 526 (#15-18)
	TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs: 10-3; Vocabulary and Study Skills Worksheets (English and Spanish): 10-3; Checkpoint Quiz: 10-3
Topic: Numeric and Algebraic Representations	
Benchmark	
MA.7.10.2 Use symbolic algebra to represent situations involving linear relationships	SE/TE: 175, 176 (#24-25), 177 (#33), 181, 183 (#22-24, 29), 184 (#37-39), 186-187, 189 (#35), 190 (#52), 191 (Checkpoint Quiz 1 #9), 196, 198 (#44), 199 (#10), 201, 202-203, 221 (#26), 222 (#19-24), 283 (#37), 527 (#2, 16), 637 (#35-36)
	TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs: 4-2, 4-3, 4-4, 4-6; Vocabulary and Study Skills Worksheets (English and Spanish): 4-3; Checkpoint Quiz: 4-4

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HAWAII HCSP III BENCHMARKS	PAGE(S) WHERE TAUGHT (If submission is not a text, cite appropriate resource(s))
Topic: Numeric and Algebraic Representations	
Benchmark	
MA.7.10.3 Solves linear equations and inequalities with one variable using algebraic methods, manipulatives, or models	SE/TE: 174-177, 179-184, 186-191, 195-197, 198 (#32-37), 199-207, 208 (#33-35), 209 (Checkpoint Quiz 2 #1-10), 210-222, 223 (#5, 12), 224-225, 226 (#7-10)
	TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs: 4-2, 4-3, 4-4, 4-5, 4-6, 4-7, 4-8, 4-9; Vocabulary and Study Skills Worksheets (English and Spanish): 4-3, 4-5, 4-7, 4-9; Checkpoint Quiz: 4-4, 4-7
Strand: Data Analysis, Statistics, and Probability	
Standard 11: Data Analysis, Statistics, and Probability: FLUENCY WITH DATA: Pose questions and collect, organize, and represent data to answer those questions	
Topic: Data Collection and Representation	
Benchmark	
MA.7.11.1 Design a study, collect data, and select the appropriate representation (line graph, bar graph, circle graph, histogram, stem and leaf plot, box and whisker plot) to display the data	SE/TE: 358, 547 (#16), 549, 566 (#5-7)
Strand: Data Analysis, Statistics, and Probability	
Standard 12: Data Analysis, Statistics, and Probability: STATISTICS: Interpret data using methods of exploratory data analysis	
Topic: Data Interpretation	
Benchmark	
MA.7.12.1 Relate the spread of a data set to a box-and-whisker plot	SE/TE: 58
	TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles

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Strand: Data Analysis, Statistics, and Probability	
Standard 13: Data Analysis, Statistics, and Probability: DATA ANALYSIS: Develop and evaluate inferences, predictions, and arguments that are based on data	
Topic: Predictions and Inferences	
Benchmark	
MA.7.13.1 Formulate new questions that arise from previous conclusions or conjectures and plan a new study to answer them	<i>Opportunities to address this standard can be found on the following pages:</i> SE/TE: 243, 358 (7-7b Activity Lab), 537 (#5), 542 (#26), 547 (#16), 549 (11-4a Activity Lab), 552 (#16), 566 (#5-7), 596, 629 (Too Many Too Count)
Strand: Data Analysis, Statistics, and Probability	
Standard 14: Data Analysis, Statistics, and Probability: PROBABILITY: Understand and apply basic notions of chance and probability	
Topic: Probability	
Benchmark	
MA.7.14.1 Relate theoretical probability to experimental results	SE/TE: 585, 586-589, 601 (#24-25), 618 (#17)
	TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs: 12-2