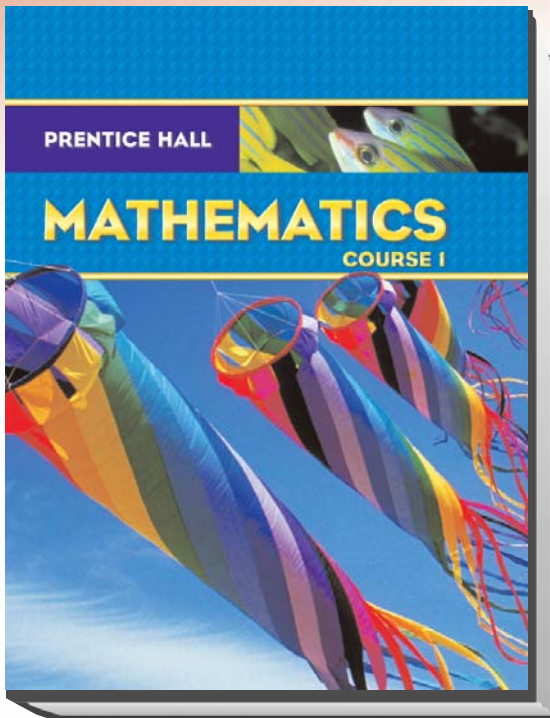


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C O R R E L A T E D T O

Hawaii HCSP III Benchmarks

Grade 6

PEARSON

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Correlated to:
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(Grade 6)

HAWAII HCSP III BENCHMARKS	PAGE(S) WHERE TAUGHT (If submission is not a text, cite appropriate resource(s))
Content Area: Math	
Grade/Course: 6	
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.6.1.1 Compare and order fractions, decimals, and percents	SE/TE: 26-30, 35 (#29-32, 39), 40 (#3-5), 47 (#33, 37-38), 53 (#30-31), 54 (#8-9, 12-14), 77 (#16-18), 141 (#40-42), 156 (#7-10), 191 (41-42), 192-197, 199, 200, 205 (#28-30), 206 (#30-34), 215 (#31, 34), 232 (Check Skills), 243 (#35-37), 288 (Check Skills), 304 (#9-12), 316 (Check Skills), 362 (Check Skills #2-4), 411 (#4, 6), 514
	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, 4-8, 4-9; Vocabulary and Study Skills Worksheets (English and Spanish): 4-9
MA.6.1.2 Explain and give examples of number theory concepts (e.g., prime factorization, common factors, greatest common factor, common multiples, least common multiple, divisibility)	SE/TE: 158-161, 166-169, 171-174, 176 (Check Skills #2-4), 185 (#37-38), 188-191, 202 (#3), 204-207, 210 (#11-13), 222 (Check Skills), 225 (#34-37), 255 (#5, 11), 258, 270 (#35), 272 (Check Skills #1), 275 (#36-39), 279 (#29-33), 309 (#35), 319 (#34), 357 (#6), 390 (#30), 533 (#32)
	TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs: 4-1, 4-3, 4-4, 4-7; Vocabulary and Study Skills Worksheets (English and Spanish): 4-1, 4-3, 4-7; Checkpoint Quiz: 4-3

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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 2: Numbers and Operations: OPERATION SENSE: Understand the meaning of operations and how they relate to each other	
Topic: Operation	
Benchmark	
MA.6.2.1 Apply the order of operations when calculating with whole numbers	SE/TE: 16-19, 20 (#10-12), 30 (#32-33), 53 (#19-21), 54 (#28-31), 69 (#30-31), 90 (#20-21), 106 (#1-4), 113 (Check Skills #2-4), 114 (Example 2, Quick Check #2), 115 (#17-20, 24), 116 (#25-26, 28), 118 (Check Skills #3-5), 120, 136 (#24-27), 163 (Example 3, Quick Check #3), 164 (#21-26), 165 (#30-31, 34), 169 (#37-38), 170 (#5, 7), 204 (#8-9), 206 (#19-22), 231 (#31-33), 411 (#8), 602 (#30, 32)
	TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs: 1-4; Checkpoint Quiz: 1-4
Topic: Operation Properties	
Benchmark	
MA.6.2.2 Use the operation properties to simplify computations with fractions, decimals, and percents	<i>Opportunities to address this standard can be found on the following pages:</i> SE/TE: 145-147, 151 (#34), 201 (#46-47), 348 (Check Skills #3), 476 (Check Skills)
	TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs: 3-8; Vocabulary and Study Skills Worksheets (English and Spanish): 3-8
Strand: Numbers and Operations	
Standard 3: Numbers and Operations: COMPUTATION STRATEGIES: Use computational tools and strategies fluently and, when appropriate, use estimation	
Topic: Estimation	
Benchmark	
MA.6.3.1 Use estimation prior to computing with fractions and decimals and compare the estimation to the actual result	SE/TE: 32-34, 39, 44, 53 (#32-37), 54 (#32-35), 91 (#2), 106 (#5-10), 111 (#25-27), 612 (#26-29)
	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, 1-9; Vocabulary and Study Skills Worksheets (English and Spanish): 1-7, 1-8, 1-9

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HAWAII HCSP III BENCHMARKS	PAGE(S) WHERE TAUGHT (If submission is not a text, cite appropriate resource(s))
MA.6.3.2 Recognize situations in which it is more appropriate to estimate than to compute an exact answer	SE/TE: 8-11, 35 (#35)
	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
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.6.4.1 Estimate the circumference and area of a circle (with no reference to a formula)	<i>Opportunities to address this standard can be found on the following pages:</i> SE/TE: 437-441, 444-447, 456 (#23), 462 (Check Skills), 466 (#24, 26), 469 (#13-14), 470 (#17-18), 471 (#1-4), 551 (#38), 567 (#6), 590 (#44-47), 628 (#14-18), 629 (#28-29)
	TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs: 9-5, 9-6; Vocabulary and Study Skills Worksheets (English and Spanish): 9-5
MA.6.4.2 Construct angles with a given degree measure	SE/TE: 371 (#17-20, 28), 374 (Check Skills #2-5)
	TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs: 8-2
Topic: Measurement Formulas	
Benchmark	
MA.6.4.3 Apply strategies and formulas to solve area and perimeter problems involving polygons (e.g., regular hexagons) and complex shapes (i.e., shapes composed of two or more common shapes)	SE/TE: 426-436, 442-443, 460 (#18-21), 468 (#7-9), 470 (#11-15, 19), 471 (#6-7), 486 (#30), 497 (#25), 522 (#29-31), 567 (#16), 586, 603 (#43), 628 (#11-13), 629 (#26-27)
	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; Checkpoint Quiz: 9-4

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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 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.6.5.1 Analyze and describe the relationships among the angles, side lengths, perimeters, and areas of similar geometric figures	SE/TE: 392-395, 397 (#4-6), 407, 411 (#13), 626 (#20-22), 627 (#31)
	TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs: 8-6
MA.6.5.2 Create arguments for proving that two shapes are congruent	<i>Opportunities to address this standard can be found on the following pages:</i> SE/TE: 392, 394 (#3-7), 395 (#19-21), 398 (Check Skills), 409 (#15-16), 491 (#28-30), 603 (#35)
	TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs: 8-6
Strand: Geometry and Spatial Sense	
Standard 6: Geometry and Spatial Sense: TRANSFORMATIONS AND SYMMETRY: Use transformations and symmetry to analyze mathematical situations	
Topic: Symmetry	
Benchmark	
MA.6.6.1 Use line symmetry and rotational symmetry to describe classifications of shapes (e.g., squares have 4 lines of symmetry and 90° rotational symmetry)	<i>Opportunities to address this standard can be found on the following pages:</i> SE/TE: 398-401, 447 (#32-34), 626 (#23), 627 (#32-33)
	TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs: 8-7; Vocabulary and Study Skills Worksheets (English and Spanish): 8-7

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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 7: Geometry and Spatial Sense: VISUAL AND SPATIAL SENSE: Use visualization and spatial reasoning to solve problems both within and outside of mathematics	
Topic: Visualization and Spatial Reasoning	
Benchmark	
MA.6.7.1 Construct a two-dimensional representation from different angles of a three-dimensional object	<i>Opportunities to address this standard can be found on the following pages:</i> SE/TE: 448-453, 455 (#4-6)
	TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs: 9-7; Vocabulary and Study Skills Worksheets (English and Spanish): 9-7
MA.6.7.2 Draw two-dimensional shapes with specified properties	SE/TE: 385, 389 (#16), 390 (#17-23)
	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; Vocabulary and Study Skills Worksheets (English and Spanish): 8-5; Checkpoint Quiz: 8-5
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.6.8.1 Predict the shape that is formed by connecting the points represented by given coordinates	<i>Opportunities to address this standard can be found on the following pages:</i> SE/TE: 548-551, 553
	TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs: 11-8; Vocabulary and Study Skills Worksheets (English and Spanish): 11-8; Checkpoint Quiz: 11-8

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HAWAII HCSP III BENCHMARKS	PAGE(S) WHERE TAUGHT (If submission is not a text, cite appropriate resource(s))
MA.6.8.2 Use coordinate geometry to represent and analyze properties of geometric shapes	<i>Opportunities to address this standard can be found on the following pages:</i> SE/TE: 548-551, 553, 581 (#21)
	TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs: 11-8; Vocabulary and Study Skills Worksheets (English and Spanish): 11-8; Checkpoint Quiz: 11-8
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.6.9.1 Represent visual and numerical patterns with tables and graphs and generalize the "rule" using words and symbols	SE/TE: 108-112, 114 (Example 3), 115 (#20-23), 150 (#6-8), 152 (#3-6)
	TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs: 3-1; Vocabulary and Study Skills Worksheets (English and Spanish): 3-1
Topic: Functions	
Benchmark	
MA.6.9.2 Describe simple one-step functions using words and symbols when given a table of "input" and "output" values	SE/TE: 112 (#8), 119, 121 (#17-22), 122 (#28), 123, 141 (#39), 243 (#34), 594 (#21)
	TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs: 3-3; Vocabulary and Study Skills Worksheets (English and Spanish): 3-3

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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.6.10.1 Interpret and solve problem situations involving two different variables	SE/TE: 295 (#33), 559-561, 562 (#18)
	TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs: 11-10; Vocabulary and Study Skills Worksheets (English and Spanish): 11-10
MA.6.10.2 Use fact families to solve for an unknown in an open sentence	<i>Opportunities to address this benchmark can be found on the following pages:</i> SE/TE: 125, 126 (#4-5), 127 (#15-26, 28), 130 (Check Skills #2-4), 134 (Check Skills), 151 (#18-20), 616, 617 (#36)
	TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs: 3-4; Vocabulary and Study Skills Worksheets (English and Spanish): 3-4; Checkpoint Quiz: 3-4
MA.6.10.3 Evaluate algebraic expressions	SE/TE: 114-116, 118 (Check Skills #2-5), 120, 129 (#4-6), 150 (#9-11), 152 (#7-9), 153 (#8), 165 (#30-31), 264 (#24-27), 270 (#24-27), 275 (#27-29), 279 (#26), 344 (#22-25), 497 (#26-28), 558 (Check Skills #2-5), 567 (#1), 602 (#31), 616 (#5-8)
	TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs: 3-4

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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.6.11.1 Analyze how data collection methods and sample size can affect the results of data sets	SE/TE: 97, 202
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.6.12.1 Determine and interpret the measures of center (mean, median, mode) of a data set and explain what each measure indicates about the data set	SE/TE: 61-70, 73, 77 (#15), 83 (#29-30), 85 (#1, 4), 86 (Check Skills #1-4), 90 (#18), 93 (Check Skills), 96 (#15), 98 (#5), 100 (#6-7), 101 (#17-20), 102-103, 202 (#4), 243 (#33), 365 (#29-30), 405 (#26), 411 (#11), 448 (#28-29), 452 (#22), 567 (#4)
	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; Vocabulary and Study Skills Worksheets (English and Spanish): 2-1
MA.6.12.2 Use a stem-and-leaf plot to analyze a set of data	SE/TE: 86-90, 96 (#17), 98-99, 101 (#16), 102 (#7, 13-16), 405 (#26), 614 (#13), 615 (#21)
	TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs: 2-6; Vocabulary and Study Skills Worksheets (English and Spanish): 2-6

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HAWAII HCSP III BENCHMARKS	PAGE(S) WHERE TAUGHT (If submission is not a text, cite appropriate resource(s))
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.6.13.1 Make inferences about a population based on the interpretation of a sample data set	SE/TE: 97, 494-497, 499 (#6-8), 509 (#17-19), 510 (#6), 602 (#25), 630 (#15), 631 (#25)
	TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs: 10-4; Vocabulary and Study Skills Worksheets (English and Spanish): 10-4
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.6.14.1 Compute probabilities of simple compound events (e.g., rolling two dice, using two different spinners at the same time)	SE/TE: 492, 501, 509 (Lesson 10.5)
	TR: Practice (English and Spanish), Adapted Practice, Guided Problem Solving, Reteaching, Enrichment, Daily Notetaking Guide, Adapted Daily Notetaking Guide, Daily Puzzles, Activity Labs: 10-5; Vocabulary and Study Skills Worksheets (English and Spanish): 10-5