

Prentice Hall Mathematics: Course 1 © 2008
Correlated to:
Arizona Academic Standards for Mathematics
(Grades 6)

Arizona Academic Standards for Mathematics	PAGE(S) WHERE TAUGHT (If submission is not a text, cite appropriate resource(s))
Strand 1: Number Sense and Operations	
Every student should understand and use all concepts and skills from the previous grade levels. The standards are designed so that new learning builds on preceding skills and are needed to learn new skills. Communication, Problem-solving, Reasoning & Proof, Connections, and Representation are the process standards that are embedded throughout the teaching and learning of mathematical strands.	
Concept 1: Number Sense	
Understand and apply numbers, ways of representing numbers, the relationships among numbers and different number systems.	
PO 1. Express fractions as ratios, comparing two whole numbers (e.g., $\frac{3}{4}$ is equivalent to 3:4 and 3 to 4).	SE: 306-309, 310-311, 312-315, 326-329, 354-355
	TE: 307, 313
	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: aqe-0775, aqe-0701, aqe-0705
PO 2. Compare two proper fractions, improper fractions, or mixed numbers	SE: 192-195, 196-197, 198-201, 202, 204-205, 206
	TE: 193, 199
	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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PO 3. Order three or more proper fractions, improper fractions, or mixed numbers.	SE: 192-195, 196-197, 198-201, 202, 204-205, 206
	TE: 193, 199
	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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PO 4. Determine the equivalency between and among fractions, decimals, and percents in contextual situations.	SE: 198-201, 312-315, 326-329, 330, 331-335, 340-344, 345-347, 348-351
	TE: 199, 332
	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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PO 5. Identify the greatest common factor for two whole numbers.	SE: 171-174, 175-179, 180, 204-205, 206
	TE: 172, 174
	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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PO 6. Determine the least common multiple for two whole numbers.	SE: 188-191, 204-205, 206
	TE: 189, 204
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PO 7. Express a whole number as a product of its prime factors, using exponents when appropriate.	SE: 166-170, 204-205, 206
	TE: 167, 169, 170
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Concept 2: Numerical Operations	
Understand and apply numerical operations and their relationship to one another.	
PO 1. Select the grade-level appropriate operation to solve word problems.	SE: 22-25, 32-41, 44-50, 55-65, 61-66, 217-220, 228-236, 244-245, 251, 292-296, 316-324, 416-420, 494-504, 505-506, 516-523, 524-533, 534-538, 540-542
	TE: 49, 91, 143, 197, 244, 287, 347, 396
	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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PO 2. Solve word problems using grade-level appropriate operations and numbers.	SE: 22-25, 32-41, 44-50, 55-65, 61-66, 217-220, 228-236, 244-245, 251, 292-296, 316-324, 416-420, 494-504, 505-506, 516-523, 524-533, 534-538, 540-542
	TE: 48, 62, 317, 417
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PO 3. Apply grade-level appropriate properties to assist in computation.	SE: 12-21, 26-36, 37-47, 51-54, 61-65, 166-170, 176-181, 198-201, 221-227, 228-237, 488-492, 494-499, 500-503
	TE: 32, 62, 168, 229
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PO 4. Apply the symbols for "... " or " " to represent repeating decimals and ":" to represent ratios, superscripts as exponents.	SE: 162-165, 280, 306-309, 354-355, 570,
	TE: 163, 307
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PO 5. Use grade-level appropriate mathematical terminology.	SE: 65, 74, 128, 162-165, 185, 290, 306-309, 310-311, 341, 354-356, 384, 403, 425, 449, 486, 493, 548, 559, 588
	TE: 35, 58, 100, 150, 187, 252, 304, 360, 414, 508, 564
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PO 6. Simplify fractions to lowest terms.	SE: 176-181, 182-187, 204-206, 228-236, 237, 266-271, 276-280, 488-492, 500-506
	TE: 177, 185, 229
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PO 7. Add or subtract proper fractions and mixed numbers with unlike denominators with regrouping.	SE: 222-227, 228-231, 232-238, 251-254, 256-257, 301
	TE: 225, 226, 230, 252

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PO 8. Demonstrate the process of multiplication of proper fractions using models.	SE: 260, 261-264, 268
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PO 9. Multiply proper fractions.	SE: 261-264, 282-285, 298-299, 300
	TE: 262-263
	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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PO 10. Multiply mixed numbers.	SE: 266-270, 280, 302-303
	TE: 267
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PO 11. Demonstrate that division is the inverse of multiplication of proper fractions.	SE: 272-275, 276-280, 298-299, 300
	TE: 274, 277
	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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PO 12. Divide proper fractions.	SE: 272-275, 276-279, 298-299, 300
	TE: 273
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PO 13. Divide mixed numbers.	SE: 276-279, 298-299, 300
	TE: 277
	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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PO 14. Solve problems involving fractions or decimals (including money) in contextual situations.	SE: 26-30, 32-36, 38-41, 44-47, 56-57, 176-179, 182-185, 192-195, 198-201, 302-303, 353
	TE: 33, 39, 45, 177
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PO 15. Simplify numerical expressions using the order of operations with grade-appropriate operations on number sets.	SE: 16-20, 32-36, 38-41, 44-47, 144-148, 150-151, 152
	TE: 18, 33
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Concept 3: Estimation	
Use estimation strategies reasonably and fluently.	
PO 1. Solve grade-level appropriate problems using estimation.	SE: 32-38, 53, 212-217, 252-257, 348-351, 354-355, 356
	TE: 34, 213, 253, 349
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PO 2. Use estimation to verify the reasonableness of a calculation (e.g., Is $5/9 \times 3/7$ more than 1?).	SE: 32-38, 53, 212-217, 252-257, 348-351, 354-355, 356
	TE: 35, 213, 215
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PO 3. Round to estimate quantities in contextual situations (e.g., round up or round down).	SE: 8-10, 32, 125, 210, 348-351, 352
	TE: 9, 349
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PO 4. Estimate and measure for the area and perimeter of polygons using a grid.	SE: 426-430, 431, 433-435, 442-446
	TE: 427, 428, 434, 445
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PO 5. Verify the reasonableness of estimates made from calculator results within a contextual situation.	SE: 42, 138, 163, 180, 232, 237, 280, 437, 440, 588-590
Strand 2: Data Analysis, Probability, and Discrete Mathematics	
Every student should understand and use all concepts and skills from the previous grade levels. The standards are designed so that new learning builds on preceding skills and are needed to learn new skills. Communication, Problem-solving, Reasoning & Proof, Connections, and Representation are the process standards that are embedded throughout the teaching and learning of mathematical strands.	
Concept 1: Data Analysis (Statistics)	
Understand and apply data collection, organization and representation to analyze and sort data.	
PO 1. Formulate questions to collect data in contextual situations.	SE: 48, 61-69, 70-73, 74-77, 80-83, 86-90, 93-97, 202, 239, 246-250, 325, 345, 358-359, 431, 437, 457, 461, 492-499
	TE: 62, 75, 81, 247

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PO 2. Construct a histogram, line graph, scatter plot, or stem-and-leaf plot with appropriate labels and title from organized data.	SE: 74-77, 78-79, 80-83, 84, 86-90, 93-97, 239, 507
	TE: 75, 81, 87
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PO 3. Interpret simple displays of data including double bar graphs, tally charts, frequency tables, circle graphs, and line graphs.	SE: 74-77, 78-79, 80-83, 84, 86-90, 93-97, 239, 507
	TE: 75, 81, 87
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PO 4. Answer questions based on simple displays of data including double bar graphs, tally charts, frequency tables, circle graphs, and line graphs.	SE: 74-77, 78-79, 80-83, 84, 85-90, 91-98. 100-101, 102, 239, 325, 345, 507
	TE: 81, 93
	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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PO 5. Find the mean, median (odd number of data points), mode, range, and extreme values of a given numerical data set.	SE: 60-65, 66-69, 70-73, 93-97, 99, 100-101, 102, 103, 202
	TE: 63, 67, 94
	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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PO 6. Identify a trend (variable increasing, decreasing, remaining constant) from displayed data.	SE: 60-65, 66-69, 70-73, 93-97, 99, 100-101, 102, 103, 202, 325, 345
	TE: 63, 71
	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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PO 7. Compare trends in data related to the same investigation.	SE: 325, 345
	TE: 345
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PO 8. Solve contextual problems using bar graphs, tally charts, and frequency tables.	SE: 70-73, 74-77, 78-79, 84, 93-97, 100-101, 102
	TE: 72, 94
	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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Concept 2: Probability	
Understand and apply the basic concepts of probability.	
PO 1. Name the possible outcomes for a probability experiment.	SE: 476-481, 482-487, 508-509, 510
	TE: 477, 485
	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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PO 2. Express probabilities of a single event as a decimal.	SE: 482-487, 488-492, 494-499, 500-503, 505-506, 511
	TE: 489, 496

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PO 3. Predict the outcome of a grade-level appropriate probability experiment.	SE: 488-491, 492, 498, 499, 501-503, 504, 505-506, 507, 508-509, 510
	TE: 489, 502
	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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PO 4. Record the data from performing a grade-level appropriate probability experiment.	SE: 493, 498, 499, 504, 506
	TE: 400
	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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PO 5. Compare the outcome of an experiment to predictions made prior to performing the experiment.	SE: 492, 498, 499, 504-506
	TE: 499
	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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PO 6. Make predictions from the results of student generated experiments using objects (e.g., coins, spinners, number cubes, cards).	SE: 492, 498, 499, 504-506
	TE: 499
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PO 7. Compare the results of two repetitions of the same grade-level appropriate probability experiment.	SE: 492, 498, 499, 504
	TE: 499
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Concept 3: Discrete Mathematics – Systematic Listing and Counting	
Understand and demonstrate the systematic listing and counting of possible outcomes.	
PO 1. Determine all possible outcomes involving a combination of three sets of three items, using a systematic approach (e.g., 3 different shirts, 3 different pairs of pants, and 3 different belts).	SE: 476-481, 508-509, 510
	TE: 478
	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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PO 2. Determine all possible arrangements given a set with four or fewer objects using a systematic list, table or tree diagram when order is not important.	SE: 476-481, 508-509, 510
	TE: 477
	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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Concept 4: Vertex-Edge Graphs	
Understand and apply vertex-edge graphs.	
PO 1. Find the shortest route on a map from one site to another (vertex-edge graph).	
Strand 3: Patterns, Algebra, and Functions	
Every student should understand and use all concepts and skills from the previous grade levels. The standards are designed so that new learning builds on preceding skills and are needed to learn new skills. Communication, Problem-solving, Reasoning & Proof, Connections, and Representation are the process standards that are embedded throughout the teaching and learning of mathematical strands.	
Concept 1: Patterns	
Identify patterns and apply pattern recognition to reason mathematically.	
PO 1. Communicate a grade-level appropriate recursive pattern, using symbols or numbers.	SE: 108-111, 112, 123, 150-151, 152
	TE: 109
	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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PO 2. Extend a grade-level appropriate iterative pattern.	SE: 42, 108-111, 112, 123, 150-151, 152
	TE: 109
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PO 3. Solve grade-level appropriate iterative pattern problems.	SE: 42, 108-111, 112, 123, 150-151, 152
	TE: 109
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Concept 2: Functions and Relationships	
Describe and model functions and their relationships.	
PO 1. Describe the rule used in a simple grade-level appropriate function (e.g., T-chart, input/output model).	SE: 554-557, 558-562, 564-565, 566
	TE: 556, 590
	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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Concept 3: Algebraic Representations	
Represent and analyze mathematical situations and structures using algebraic representations.	
PO 1. Evaluate expressions involving the four basic operations by substituting given fractions for the variable (e.g., $n+3$, when $n = \frac{1}{2}$).	SE: 162-165, 204, 208-209, 444-447, 426-430
	TE: 163, 445
	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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PO 2. Use variables in contextual situations.	SE: 113-117, 118-123, 124-129, 130-133, 134-137, 138-141, 148, 149, 150-151, 152
	TE: 119, 125, 132, 139
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PO 3. Translate a written phrase to an algebraic expression (e.g., The quotient of m and 5 is $m/5$ or $m\div 5$)	SE: 113-116, 117, 118-123, 149, 208-209, 563
	TE: 115, 122
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PO 4. Translate a phrase written in context into an algebraic expression (e.g., Write an expression to describe the situation: John has x pieces of candy and buys three more. $x + 3$).	SE: 113-116, 117, 118-123, 149, 208-209, 563
	TE: 114, 121

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PO 5. Solve one-step equations with one variable represented by a letter or symbol, using inverse operations with whole numbers.	SE: 124-127, 130-133, 134-137, 138-141, 149, 150-151, 152, 240-243, 244-245, 252-253, 254, 265
	TE: 125, 131, 135
	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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Concept 4: Analysis of Change	
Analyze change in a variable over time and in various contexts.	
PO 1. Identify values on a given line graph or scatter plot (e.g., Given a line showing wages earned per hour, what is the wage at five hours?).	SE: 74-77, 100-101, 102
	TE: 76

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Strand 4: Geometry and Measurement	
Every student should understand and use all concepts and skills from the previous grade levels. The standards are designed so that new learning builds on preceding skills and are needed to learn new skills. Communication, Problem-solving, Reasoning & Proof, Connections, and Representation are the process standards that are embedded throughout the teaching and learning of mathematical strands.	
Concept 1: Geometric Properties	
Analyze the attributes and properties of 2- and 3- dimensional shapes and develop mathematical arguments about their relationships.	
PO 1. Classify polygons by their attributes (e.g., number of sides, length of sides, angles, parallelism, perpendicularity).	SE: 379, 380-384, 385-390, 398-401, 407, 408-409, 410, 412-413
	TE: 381, 386
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PO 2. Draw a geometric figure showing specified properties, such as parallelism and perpendicularity.	SE: 362-366, 367-372, 374-378, 398-401, 408-409, 410, 412-413
	TE: 368, 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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PO 3. Classify prisms, pyramids, cones, and cylinders by base shape and lateral surface shape.	SE: 448, 449-452, 453, 456, 462-466, 468-469, 470
	TE: 450, 563
	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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PO 4. Classify 3-dimensional figures by their attributes.	SE: 449-453, 462-466, 468-469, 470, 472-473
	TE: 450, 463

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PO 5. Compare attributes of 2-dimensional figures with 3-dimensional figures.	SE: 449-452, 453-456, 457-461, 462-466, 472-473
	TE: 451, 454
	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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PO 6. Draw triangles with appropriate labels.	SE: 372, 380-384, 386-390, 392-395, 402-405, 406, 412-413
	TE: 381, 383, 393
	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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PO 7. Identify supplementary or complementary angles.	SE: 374-378, 408-409, 410
	TE: 376
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PO 8. Identify the diameter, radius, and circumference of a circle or sphere.	SE: 438-441, 442-443, 444-447, 468-469, 470, 471
	TE: 440, 445
	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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PO 9. Draw a 2-dimensional shape with a given number of lines of symmetry.	SE: 398-401, 408-409, 412-413
	TE: 399
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Concept 2: Transformation of Shapes	
Apply spatial reasoning to create transformations and use symmetry to analyze mathematical situations.	
PO 1. Identify reflections and translations using pictures.	SE: 402-406, 408-409, 410, 553
	TE: 404, 405
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PO 2. Perform elementary transformations to create a tessellation.	SE: 402-406
	TE: 406

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Concept 3: Coordinate Geometry	
Specify and describe spatial relationships using coordinate geometry and other representational systems.	
PO 1. Graph a polygon in the first quadrant using ordered pairs.	SE: 548-551, 553
	TE: 549, 550
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PO 2. State the missing coordinate of a given figure in the first quadrant of a coordinate grid using geometric properties (e.g., Find the coordinates of the missing vertex of a rectangle when two adjacent sides are drawn.).	SE: 548-553, 564-565, 566
	TE: 550

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Concept 4: Measurement - Units of Measure	
- Geometric Objects	
Understand and apply appropriate units of measure, measurement techniques, and formulas to determine measurements.	
PO 1. Determine the appropriate measure of accuracy within a system for a given contextual situation (e.g., Would you measure the length of your bedroom wall using inches or feet?).	SE: 104-105, 246-250, 252-253, 254, 288-291, 292-296, 297, 298-299, 300, 302-303, 416-420, 421-424
	TE: 247, 252, 290
	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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PO 2. Determine the appropriate tool needed to measure to the needed accuracy.	SE: 185 (# 33, 34), 186, 206 (#16), 298
	TE: 186

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PO 3. Determine a linear measurement to the appropriate degree of accuracy.	SE: 185 (# 33, 34), 206 (#16), 288-291, 292-296, 392-303
	TE: 292-293
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PO 4. Measure angles using a protractor.	SE: 367-371, 377, 378, 412-413
	TE: 368, 370
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PO 5. Convert within a single measurement system (U.S. customary or metric) (e.g., How many ounces are equivalent to 2 pounds?).	SE: 292-295, 298-299, 300, 302-303
	TE: 293
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PO 6. Solve problems involving the perimeter of polygons.	SE: 426-430, 431, 432-436, 437-441, 442-443
	TE: 428, 434, 437
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PO 7. Determine the area of triangles.	SE: 432-435, 468-469, 470
	TE: 434
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PO 8. Distinguish between perimeter and area in contextual situation.	SE: 426-431, 432-437, 438-443, 444-447, 471, 470, 512-513
	TE: 428, 429, 441, 445
	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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PO 9. Solve problems for the areas of parallelograms (includes rectangles).	SE: 426-431, 432-436, 468-469, 470
	TE: 427, 434
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PO 10. Identify parallelograms having the same perimeter or area.	SE: 432-435
	TE: 433
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PO 11. Determine the actual measure of objects using a scale drawing or map.	SE: 326-329, 354-355, 356, 358-359
	TE: 327, 328
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Strand 5: Structure and Logic	
Every student should understand and use all concepts and skills from the previous grade levels. The standards are designed so that new learning builds on preceding skills and are needed to learn new skills. Communication, Problem-solving, Reasoning & Proof, Connections, and Representation are the process standards that are embedded throughout the teaching and learning of mathematical strands.	
Concept 1: Algorithms and Algorithmic Thinking	
Use reasoning to solve mathematical problems in contextual situations.	
PO 1. Discriminate necessary information from unnecessary information in a given grade-level appropriate word problem.	SE: xxxiv-xli, 49-50, 55, 91-92, 103, 142-143, 196-197, 207, 244-245. 285-287
	TE: 50, 92, 143
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PO 2. Analyze algorithms for computing with decimals.	SE: 22-25, 26-31, 32-37, 38-42, 44-47, 51, 61-65, 256-257
	TE: 21, 37, 45, 62
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Concept 2: Logic, Reasoning, Arguments, and Mathematical Proof	
Evaluate situations, select problem-solving strategies, draw logical conclusions, develop and describe solutions and recognize their applications.	
PO 1. Solve a simple logic problem from given information (e.g., Which of three different people live in which of three different colored houses?).	SE: 371 (#16), 378, 379, 385, 390 (#24-28), 396-397
	TE: 385, 396
	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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