



Prekindergarten | South Carolina Early Learning Standards for Mathematics Correlation to *Eureka Math*²®

When the original *Eureka Math*[®] curriculum was released, it quickly became the most widely used K–5 mathematics curriculum in the country. Now, the Great Minds[®] teacher–writers have created *Eureka Math*²®, a groundbreaking new curriculum that helps teachers deliver exponentially better math instruction while still providing students with the same deep understanding of and fluency in math. *Eureka Math*² carefully sequences mathematical content to maximize vertical alignment—a principle tested and proven to be essential in students’ mastery of math—from prekindergarten through high school.

While this innovative new curriculum includes all the trademark *Eureka Math* aha moments that have been delighting students and teachers for years, it also boasts these exciting new features:

Teachability

*Eureka Math*² employs streamlined materials that allow teachers to plan more efficiently and focus their energy on delivering high-quality instruction that meets the individual needs of their students. Differentiation suggestions, slide decks, digital interactives, and multiple forms of assessment are just a few of the resources built right into the teacher materials.

Accessibility

*Eureka Math*² incorporates Universal Design for Learning principles so all learners can access the mathematics and take on challenging math concepts. Student supports are built into the instructional design and are clearly identified in the *Teach* book. Further, the curriculum carries a focus on readability. By eliminating unnecessary words and using simple, clear sentences, the *Eureka Math*² teacher–writers have created one of the most readable mathematics curricula on the market. The curriculum’s readability and accessibility help all students see themselves as mathematical thinkers and doers who are fully capable of owning their mathematics learning.

Digital Engagement

The digital elements of *Eureka Math*² add to students’ engagement with the math. The curriculum provides teachers with digital slides for select lessons. In addition, each grade level includes wordless videos that spark students’ interest and curiosity. Students at all levels work through mathematical explorations that help lead to their own mathematical discoveries. Videos provide opportunities for students to wonder, explore, and make sense of mathematics, which contributes to the development of a strong, positive mathematical identity.

Standards for Mathematical Practice	Aligned Components of <i>Eureka Math</i> ²
<p>MP.1 Make sense of problems and persevere in solving them.</p>	<p>Lessons in every module engage students in mathematical practices. These are indicated in margin notes included with every lesson.</p>
<p>MP.2 Reason abstractly and quantitatively.</p>	<p>Lessons in every module engage students in mathematical practices. These are indicated in margin notes included with every lesson.</p>
<p>MP.3 Construct viable arguments and critique the reasoning of others.</p>	<p>Lessons in every module engage students in mathematical practices. These are indicated in margin notes included with every lesson.</p>
<p>MP.4 Model with mathematics.</p>	<p>Lessons in every module engage students in mathematical practices. These are indicated in margin notes included with every lesson.</p>
<p>MP.5 Use appropriate tools strategically.</p>	<p>Lessons in every module engage students in mathematical practices. These are indicated in margin notes included with every lesson.</p>
<p>MP.6 Attend to precision.</p>	<p>Lessons in every module engage students in mathematical practices. These are indicated in margin notes included with every lesson.</p>
<p>MP.7 Look for and make use of structure.</p>	<p>Lessons in every module engage students in mathematical practices. These are indicated in margin notes included with every lesson.</p>
<p>MP.8 Look for and express regularity in repeated reasoning.</p>	<p>Lessons in every module engage students in mathematical practices. These are indicated in margin notes included with every lesson.</p>

Foundations for Number Sense

MTE-1 Children demonstrate a beginning understanding of numbers and quantity during play and other activities.

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<p>MTE-1q</p> <p>Compare the amount of items in small sets of objects (up to 5 objects) by matching or counting and use language such as “more than” and “less than” to describe the sets of objects.</p>	<p>PK M4 Topic D: Compare Sets</p> <p>PK M4 Lesson 18: How Many Crayons?</p> <p>PK M4 Lesson 19: Compare Groups</p> <p>PK M4 Lesson 20: Explore Area</p> <p>PK M4 Lesson 21: How Many Scoops?</p> <p>PK M6 Project A: Create a Business</p> <p>PK M6 Project B: Plan a Celebration</p> <p>PK M6 Project C: Care for Our Space</p>
<p>MTE-1r</p> <p>Show an understanding of magnitude by recognizing larger sets when compared to smaller sets and describe how they are different.</p>	<p>PK M4 Topic D: Compare Sets</p> <p>PK M4 Lesson 18: How Many Crayons?</p> <p>PK M4 Lesson 19: Compare Groups</p> <p>PK M4 Lesson 20: Explore Area</p> <p>PK M4 Lesson 21: How Many Scoops?</p> <p>PK M6 Project A: Create a Business</p> <p>PK M6 Project B: Plan a Celebration</p> <p>PK M6 Project C: Care for Our Space</p>
<p>MTE-1s</p> <p>Rote count to 20 with increasing accuracy.</p>	<p>PK M1 Lesson 3: Crayon Group</p> <p>PK M1 Lesson 5: Sorting Bags</p> <p>PK M1 Lesson 6: Matching Markers</p> <p>PK M1 Lesson 8: Let’s Count!</p> <p>PK M1 Lesson 10: Written Numbers</p>

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<p>MTE-1s <i>continued</i></p>	<p>PK M1 Lesson 15: Let’s Count!</p> <p>PK M1 Lesson 25: More Written Numbers</p> <p>PK M1 Lesson 26: Count on the Rekenrek</p> <p>PK M1 Lesson 27: 5-Groups</p> <p>PK M1 Lesson 30: Let’s Count and Record!</p> <p>PK M2 Lesson 17: Let’s Count and Record!</p> <p>PK M3 Topic C: Analyze the Count Sequence</p> <p>PK M4 Lesson 17: Let’s Count and Compare!</p> <p>PK M5 Lesson 1: Bears on Stairs</p> <p>PK M5 Lesson 2: 1 Less</p> <p>PK M5 Lesson 3: 1 More, 1 Less</p> <p>PK M5 Lesson 24: Let’s Count and Record!</p> <p>PK M6 Project A: Create a Business</p> <p>PK M6 Project C: Care for Our Space</p>
<p>MTE-1t</p> <p>Count up to 10 objects in a variety of ways. (e.g., left to right, right to left, in stacks, etc.)</p>	<p>PK M1 Lesson 7: Animal Count</p> <p>PK M1 Lesson 8: Let’s Count!</p> <p>PK M1 Lesson 9: How Many?</p> <p>PK M1 Lesson 15: Let’s Count!</p> <p>PK M1 Lesson 24: Mystery Eggs</p> <p>PK M1 Lesson 28: Counting with Puppet</p> <p>PK M1 Lesson 29: Match Game</p> <p>PK M1 Lesson 30: Let’s Count and Record!</p> <p>PK M1 Lesson 34: Culminating Activity</p>

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<p>MTE-1t <i>continued</i></p>	<p>PK M2 Lesson 17: Let’s Count and Record!</p> <p>PK M3 Lesson 7: Do You See 5?</p> <p>PK M3 Lesson 9: Decompose 6 and 7</p> <p>PK M3 Lesson 10: Decompose 8 and 9</p> <p>PK M3 Lesson 11: Decompose 10</p> <p>PK M3 Lesson 17: Let’s Count and Record!</p> <p>PK M4 Lesson 17: Let’s Count and Compare!</p> <p>PK M5 Lesson 24: Let’s Count and Record!</p> <p>PK M6 Project A: Create a Business</p> <p>PK M6 Project B: Plan a Celebration</p>
<p>MTE-1u</p> <p>Count up to 10 objects arranged in a line using one-to-one correspondence with increasing accuracy, and answer the question “How many are there?”</p>	<p>PK M1 Lesson 7: Animal Count</p> <p>PK M1 Lesson 8: Let’s Count!</p> <p>PK M1 Lesson 9: How Many?</p> <p>PK M1 Lesson 14: Rice Scoops</p> <p>PK M1 Lesson 15: Let’s Count!</p> <p>PK M1 Lesson 18: Forest Path Game</p> <p>PK M1 Lesson 24: Mystery Eggs</p> <p>PK M1 Lesson 28: Counting with Puppet</p> <p>PK M1 Lesson 29: Match Game</p> <p>PK M1 Lesson 30: Let’s Count and Record!</p> <p>PK M1 Lesson 34: Culminating Activity</p> <p>PK M2 Lesson 17: Let’s Count and Record!</p> <p>PK M3 Lesson 7: Do You See 5?</p>

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<p>MTE-1u <i>continued</i></p>	<p>PK M3 Lesson 9: Decompose 6 and 7</p> <p>PK M3 Lesson 10: Decompose 8 and 9</p> <p>PK M3 Lesson 11: Decompose 10</p> <p>PK M3 Lesson 17: Let’s Count and Record!</p> <p>PK M4 Lesson 17: Let’s Count and Compare!</p> <p>PK M5 Lesson 24: Let’s Count and Record!</p> <p>PK M6 Project A: Create a Business</p> <p>PK M6 Project B: Plan a Celebration</p>
<p>MTE-1v</p> <p>Recognize numerals up to 10 and attempt to write them or number-like forms during play and daily activities.</p>	<p>PK M1 Lesson 10: Written Numbers</p> <p>PK M1 Lesson 11: Match Game</p> <p>PK M1 Lesson 12: Count the Math Way</p> <p>PK M1 Lesson 13: Rosetta Stone</p> <p>PK M1 Lesson 14: Rice Scoops</p> <p>PK M1 Lesson 16: Number Recipe</p> <p>PK M1 Lesson 17: Bean Bag Toss</p> <p>PK M1 Lesson 21: How Many Ways?</p> <p>PK M1 Lesson 22: Animal Sort</p> <p>PK M1 Lesson 25: More Written Numbers</p> <p>PK M1 Lesson 29: Match Game</p> <p>PK M1 Lesson 31: Match or No Match?</p> <p>PK M1 Lesson 32: Make It Match</p> <p>PK M1 Lesson 34: Culminating Activity</p> <p>PK M3 Lesson 2: Bunny Puzzles</p>

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<p>MTE-1v <i>continued</i></p>	<p>PK M3 Lesson 3: Decompose 3 PK M3 Lesson 4: Decompose 4 PK M3 Lesson 5: Decompose 5 PK M3 Lesson 9: Decompose 6 and 7 PK M3 Lesson 10: Decompose 8 and 9 PK M3 Lesson 11: Decompose 10 PK M6 Project A: Create a Business PK M6 Project B: Plan a Celebration</p>
<p>MTE-1w</p> <p>Match numerals 1–10 to sets of objects, with guidance and support.</p>	<p>PK M1 Lesson 10: Written Numbers PK M1 Lesson 11: Match Game PK M1 Lesson 12: Count the Math Way PK M1 Lesson 13: Rosetta Stone PK M1 Lesson 14: Rice Scoops PK M1 Lesson 16: Number Recipe PK M1 Lesson 17: Bean Bag Toss PK M1 Lesson 21: How Many Ways? PK M1 Lesson 22: Animal Sort PK M1 Lesson 25: More Written Numbers PK M1 Lesson 29: Match Game PK M1 Lesson 31: Match or No Match? PK M1 Lesson 32: Make It Match PK M1 Lesson 34: Culminating Activity PK M6 Project A: Create a Business PK M6 Project B: Plan a Celebration</p>

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<p>MTE-1x</p> <p>Recognize that objects can be counted as part of different groups (forks can be counted alone, or as part of a set of utensils).</p>	<p><i>Supplemental material is necessary to address this standard.</i></p>
<p>MTE-1y</p> <p>Given a number 0–5, count out that many objects.</p>	<p>PK M1 Topic D: Count Out a Set of Up to 5 Objects</p> <p>PK M1 Lesson 31: Match or No Match?</p> <p>PK M1 Lesson 32: Make It Match</p> <p>PK M1 Lesson 33: Dinosaur World</p> <p>PK M3 Lesson 8: Make Your Own Rekenrek!</p> <p>PK M3 Lesson 9: Decompose 6 and 7</p> <p>PK M3 Lesson 10: Decompose 8 and 9</p> <p>PK M3 Lesson 11: Decompose 10</p> <p>PK M3 Lesson 13: Number Stairs</p> <p>PK M6 Project A: Create a Business</p> <p>PK M6 Project B: Plan a Celebration</p>
<p>MTE-1z</p> <p>State the number of objects in a small collection (1–5) without counting (when a friend holds up two fingers, look at her hand and say, “Two fingers” without counting).</p>	<p>PK M1 Lesson 7: Animal Count</p> <p>PK M1 Lesson 11: Match Game</p> <p>PK M1 Lesson 29: Match Game</p> <p>PK M3 Lesson 3: Decompose 3</p> <p>PK M3 Lesson 4: Decompose 4</p> <p>PK M3 Lesson 5: Decompose 5</p> <p>PK M3 Lesson 7: Do You See 5?</p>

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<p>MTE-1aa</p> <p>Tell what number comes next or what number came before another number when counting 1–5.</p>	<p>PK M1 Lesson 3: Crayon Group</p> <p>PK M1 Lesson 5: Sorting Bags</p> <p>PK M1 Lesson 6: Matching Markers</p> <p>PK M1 Lesson 8: Let’s Count!</p> <p>PK M1 Lesson 10: Written Numbers</p> <p>PK M1 Lesson 15: Let’s Count!</p> <p>PK M1 Lesson 25: More Written Numbers</p> <p>PK M1 Lesson 26: Count on the Rekenrek</p> <p>PK M1 Lesson 27: 5-Groups</p> <p>PK M1 Lesson 30: Let’s Count and Record!</p> <p>PK M2 Lesson 17: Let’s Count and Record!</p> <p>PK M3 Topic C: Analyze the Count Sequence</p> <p>PK M5 Lesson 1: Bears on Stairs</p> <p>PK M5 Lesson 2: 1 Less</p> <p>PK M5 Lesson 3: 1 More, 1 Less</p> <p>PK M5 Lesson 24: Let’s Count and Record!</p> <p>PK M6 Project A: Create a Business</p> <p>PK M6 Project C: Care for Our Space</p>
<p>MTE-1ab</p> <p>Show understanding of first, next, and last during play and daily activities (answer questions about who is first and last to slide down the slide; say, “The engine is first, and the caboose is last” when making a train).</p>	<p>PK M2 Lesson 2: Use the Clues</p> <p>PK M5 Lesson 21: Create Patterns</p> <p>PK M6 Project B: Plan a Celebration</p>

Foundations for Number Sense

MTE-2 Children demonstrate a beginning understanding of numbers and operations during play and other activities.

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<p>MTE-2d</p> <p>Use observation and counting with increasing accuracy to answer questions such as “How many do we need?” and “How many more do we need?” during play and other daily activities (count new children to see how many more plates are needed for snack; return extra drinks to cooler at picnic to arrive at the correct number).</p>	<p>PK M1 Topic D: Count Out a Set of Up to 5 Objects</p> <p>PK M1 Lesson 31: Match or No Match?</p> <p>PK M1 Lesson 32: Make It Match</p> <p>PK M1 Lesson 33: Dinosaur World</p> <p>PK M3 Lesson 13: Number Stairs</p> <p>PK M6 Project A: Create a Business</p> <p>PK M6 Project B: Plan a Celebration</p>
<p>MTE-2e</p> <p>Show different ways a set of up to five objects can be decomposed (broken apart) or composed (put together) (e.g., 5 objects can be broken into 2 and 3 objects and 2 and 3 can be combined to make 5 objects).</p>	<p>PK M3 Lesson 3: Decompose 3</p> <p>PK M3 Lesson 4: Decompose 4</p> <p>PK M3 Lesson 5: Decompose 5</p> <p>PK M3 Lesson 6: 5-Piece Puzzles</p> <p>PK M5 Lesson 5: Market Math</p> <p>PK M5 Topic B: Represent Addition Stories</p> <p>PK M5 Topic C: Compose and Decompose Numbers in More than One Way</p> <p>PK M5 Topic D: Represent Subtraction Stories</p> <p>PK M6 Project C: Care for Our Space</p>

Foundations for Algebraic Thinking

MTE-3 Children demonstrate a beginning understanding of algebraic thinking by sorting, describing, extending, and creating simple patterns during play and other activities.

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<p>MTE-3h</p> <p>Sort a group of objects (0–10) using one attribute (color, size, shape, quantity) with increasing accuracy (sort blocks by shape and place like-shaped blocks on the shelf; sort beads by color or another attribute).</p>	<p>PK M1 Topic A: Use Attributes to Match and Sort</p> <p>PK M1 Topic E: Sort to Decompose</p> <p>PK M1 Lesson 34: Culminating Activity</p> <p>PK M6 Project A: Create a Business</p>
<p>MTE-3i</p> <p>Describe, duplicate, and extend simple repeating patterns (two-part patterns) using concrete objects (look at a pattern of beads and tell what bead comes next in the pattern).</p>	<p>PK M3 Topic D: Use Structure to Analyze Patterns</p> <p>PK M5 Lesson 21: Create Patterns</p> <p>PK M5 Lesson 22: Music and Movement</p> <p>PK M5 Lesson 23: Patterns Everywhere</p> <p>PK M6 Project B: Plan a Celebration</p>
<p>MTE-3j</p> <p>Show beginning abilities to create simple repeating patterns.</p>	<p>PK M3 Topic D: Use Structure to Analyze Patterns</p> <p>PK M5 Lesson 21: Create Patterns</p> <p>PK M5 Lesson 22: Music and Movement</p> <p>PK M5 Lesson 23: Patterns Everywhere</p> <p>PK M6 Project B: Plan a Celebration</p>

Foundations for Geometry and Spatial Understanding

MTE-4 Children begin to identify, describe, classify, and understand shape, size, direction and movement during play and other activities.

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<p>MTE-4l</p> <p>Consistently use a variety of words for positions in space (in, on, over, under, etc.), and follow directions using these words.</p>	<p>PK M2 Topic A: Spatial Relations</p> <p>PK M2 Lesson 8: Shape Games</p>
<p>MTE-4m</p> <p>Use 2- and 3-dimensional shapes to represent real-world objects (say, “We are building a castle and we need a round block for the tunnel.” “I glued a circle and a square on my picture to make a house.”).</p>	<p>PK M2 Topic C: Build and Compose Two-Dimensional Shapes</p> <p>PK M2 Lesson 13: Shape Towers</p> <p>PK M2 Lesson 14: Puppet’s Picture</p> <p>PK M2 Lesson 16: Pyramids!</p> <p>PK M3 Lesson 1: How Many Parts?</p> <p>PK M3 Lesson 2: Bunny Puzzles</p> <p>PK M6 Project B: Plan a Celebration</p>
<p>MTE-4n</p> <p>Identify basic 2- and 3-dimensional shapes (square, circle, triangle) in the environment.</p>	<p>PK M2 Topic B: Analyze and Name Two-Dimensional Shapes</p> <p>PK M2 Lesson 14: Puppet’s Picture</p>

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<p>MTE-4o</p> <p>Name basic 2 and 3-dimensional shapes (square, prism, circle, sphere, triangle, pyramid, hexagon), and describe their characteristics using informal descriptive and geometric attributes. (“That’s a triangle; it’s pointy.” “It’s a circle because it’s round.”)</p>	<p>PK M2 Topic B: Analyze and Name Two-Dimensional Shapes</p> <p>PK M2 Topic C: Build and Compose Two-Dimensional Shapes</p> <p>PK M2 Lesson 13: Shape Towers</p> <p>PK M2 Lesson 14: Puppet’s Picture</p> <p>PK M2 Lesson 15: Roll, Slide, or Stack</p>
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Foundations of Measurement and Data Analysis

MTE-5 Children demonstrate a beginning understanding of measurement (the idea of repeating the use of an object to measure) and a beginning understanding of data analysis through comparing, and interpreting data during play and other activities.

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<p>MTE-5k</p> <p>Use descriptive language for size, length, or weight (short, tall, long, heavy, and big).</p>	<p>PK M4 Topic A: Describe Size</p> <p>PK M4 Topic B: Compare Heights and Lengths</p> <p>PK M4 Topic C: Compare Weights</p> <p>PK M4 Lesson 21: How Many Scoops?</p> <p>PK M4 Lesson 22: Compare Attributes</p> <p>PK M6 Project C: Care for Our Space</p>
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<p>MTE-5I</p> <p>Directly compare more than two objects by size, length, or weight. (“That rock is heavier than these others; I can’t lift it.” Look at three strings that are different lengths and select the longest string.)</p>	<p>PK M4 Lesson 8: Compare by Using Numbers</p> <p>PK M4 Lesson 9: Straw Line Up</p> <p>PK M4 Lesson 15: Trains</p> <p><i>Supplemental material is necessary to fully address this standard.</i></p>
<p>MTE-5m</p> <p>Put a few objects in order by size, length, or weight (arrange a group of 3 blocks in order from the shortest to the longest).</p>	<p>PK M4 Lesson 9: Straw Line Up</p> <p>PK M4 Lesson 15: Trains</p> <p><i>Supplemental material is necessary to fully address this standard.</i></p>
<p>MTE-5n</p> <p>Use simple measurement tools with guidance and support to informally measure objects (a ruler, measuring cup, scale).</p>	<p>PK M4 Lesson 12: Balance Scale</p> <p>PK M4 Lesson 21: How Many Scoops?</p> <p>PK M4 Lesson 22: Compare Attributes</p> <p><i>Supplemental material is necessary to fully address this standard.</i></p>
<p>MTE-5o</p> <p>Describe the weather as hot or cold. (Continue to engage in explorations with temperature.)</p>	<p><i>Supplemental material is necessary to address this standard.</i></p>
<p>MTE-5p</p> <p>Recognize routines with time passing throughout the day (identifying circle time, snack time, outside play, etc.).</p>	<p><i>Supplemental material is necessary to address this standard.</i></p>

Mathematical Thinking and Reasoning

MTE-6 Children use mathematical thinking to solve problems in their everyday environment.

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<p>MTE-6d</p> <p>Seek answers to questions during play and daily activities using an increasing variety of mathematical strategies (figure out how to balance a block structure; to build a bridge; to create a pattern with Legos®).</p>	<p><i>This standard is fully addressed as students seek answers to questions by using mathematical strategies throughout each module.</i></p>
<p>MTE-6e</p> <p>Use drawing, writing, and concrete materials to represent and communicate a variety of mathematical ideas (draw shapes to represent pattern; stack different-colored blocks to represent classmates' answers to a survey question).</p>	<p>PK M3 Lesson 22: Red Light, Green Light!</p> <p>PK M5 Lesson 3: 1 More, 1 Less</p> <p>PK M5 Lesson 4: 1 More, 1 Less the Math Way</p> <p>PK M5 Lesson 5: Market Math</p> <p>PK M5 Topic B: Represent Addition Stories</p> <p>PK M5 Topic D: Represent Subtraction Stories</p> <p>PK M5 Topic E: Extend and Create Patterns</p> <p>PK M6 Project A: Create a Business</p> <p>PK M6 Project B: Plan a Celebration</p> <p>PK M6 Project C: Care for Our Space</p>

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<p>MTE-6f</p> <p>Begin to explain how a mathematical problem was solved. (“I saw that there was always a blue flower after a red flower so I knew to put a blue one next.” “I counted four friends who didn’t have crackers, so I got four more.”)</p>	<p><i>This standard is fully addressed as students are encouraged to explain their thinking throughout each module.</i></p>
<p>MTE-6g</p> <p>Identify and describe strategies used to complete increasingly difficult puzzles (e.g., when completing a floor puzzle, working on the edges first).</p>	<p>PK M2 Lesson 10: Shape Puzzles</p> <p><i>Supplemental material is necessary to address this standard.</i></p>