

Grade: 1 Unit: 6	Geometry- Shapes	3 Weeks
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Progression

K	Students learned to identify and describe shapes. They also compared and composed shapes.
1st Grade	Students will learn to name shapes using sides and corners, use shapes to make new shapes and break shapes into halves and quarters.
2 nd Grade	Students will extend their knowledge with shapes to reason with their attributes and break shapes into halves and fourths and extend to thirds.

STUDENT LEARNING GOALS

Mathematics Standards (*Appendices A & B*)

1.G.A.1: Distinguish between defining attributes (e.g., triangles are closed and three-sided) versus non-defining attributes (e.g., color, orientation, overall size); build and draw shapes to possess defining attributes.

1.G.A.2: Compose two-dimensional shapes (rectangles, squares, trapezoids, triangles, half-circles, and quarter-circles) or three-dimensional shapes (cubes, right rectangular prisms, right circular cones, and right circular cylinders) to create a composite shape, and compose new shapes from the composite shape.¹

1.G.A.3: Partition circles and rectangles into two and four equal shares, describe the shares using the words *halves*, *fourths*, and *quarters*, and use the phrases *half of*, *fourth of*, and *quarter of*. Describe the whole as two of, or four of the shares. Understand for these examples that decomposing into more equal shares creates smaller shares.

(Include MP1 and MP6 for all units for 2014-2015)

MP1: Make sense of problems and persevere in solving them.

MP6: Attend to Precision

<i>Interdisciplinary Standards</i>	<i>Key Vocabulary</i>
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Technology Integration <i>(Appendix C)</i>	21st Century Skills <i>(Appendix D)</i>		
IS1. Information Strategies IS2. Information Use	TCS1. Use of Information TCS5. Problem Solving	Circle Compose Composite shape Corner Decompose Equal parts Fourths, fourth Half-circle Halves, half Hexagon	Quarters, quarter Quarter-circle Rectangle Rhombus Side Square Triangle Unequal parts Whole

<p>Enduring Understandings (MI p.97)</p> <ul style="list-style-type: none"> I can use sides and corners to name shapes. I can put shapes together to make new shapes. I can break shapes into halves. I can break shapes into fourths. 	<p>Essential Questions</p> <ul style="list-style-type: none"> What do we use to name shapes? How can we put shapes together to make new shapes? What is a half? What is a fourth? Quarter?
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Assessment Plan	
Summative Assessment(s)/Performance Based Assessments including 21st Century Learning RCC Unit 6 Review, MI p.134-136 RCC Unit 6 Practice, PPS p.73-76	Formative and Diagnostic Assessment(s) STAR Math Assessment (Fall) RCC Embedded Tasks and Assessments
Learning Plan Components	
Text	Ready Common Core Mathematics Instruction 1 , 2014, Curriculum Associates, ISBN: 978-0-7609-8861-9
Print	Ready Common Core Mathematics Teacher Resource Book 1 , 2014, Curriculum Associates, ISBN: 978-0-7609-8857-2
Electronic	www.teacher-toolbox.com www.stratfordmath.wikispaces.com www.xtramath.org

Week 1	Students will: <ul style="list-style-type: none"> • Identify the defining attributes of a shape • Distinguish between defining and non-defining attributes • Classify a shape based on its defining attributes 		
Lessons	Tasks / Activities	Worksheets	Technology
<u>RCC Lesson 26:</u> *Understand Shapes (TRB p.201-207) *Introduce 3D Shapes *Engage NY Lessons	*All About Shapes Book *Attribute Chart *Tell About the 3-D Shapes *Mosaic Mural *My 3-D Shapes Book *Sorting Shapes & Student Sheet *Square Dance *Trace It	MI p.122-125 PPS p.69 *SF R, P, E & PS 5-1 *3D Word Search *3D Shapes WS *Classifying and Sorting Shapes *Classifying and Sorting Shapes A *Identifying Shapes *Mathville 1 Shapes *Mathville 1 Shapes A *Online Book Shapes- Hard Copy *Packages and Bows *Shaping Up Shapes 1 (enrichment) Shapes 2 *Attributes of Plane Shapes *Shape Search *Sweet Tooth *Engage NY 1-3	*RCC Interactive Lesson: Classifying Plane Shapes by Attributes *RCC Interactive Lesson: Attributes of Three-Dimensional Shapes *Online Game: I Spy Shapes *Online Book: Shapes (Hard Copy Included) *Online Game: Shapeville *Online Game: Identification of Basic Shapes *Online Game: 3-D Objects and 2-D Objects *Online Video: Compare 2-D Shapes *Online Song: Shapes Song *Online Video: 3-D Cubes *Online Lesson: Vertices

Week 2	Students will: <ul style="list-style-type: none"> • Compose two-dimensional shapes to create composite shapes and then compose new shapes from the composite shape 		
Lessons	Tasks / Activities	Worksheets	Technology
<u>RCC Lesson 27:</u> Understand Putting Shapes Together (TRB p.208-214) *Engage NY Lessons	*Cover a Hexagon *Create a Flag *Geo Board Task Cards *Mathville 1 Build Shapes *Pattern Block Numbers *Pattern Block Triangles *Separate Shapes *Tangram	MI p.126-129 PPS p.70 *SF R, P, E & PS 5-4 *SF R, P, E & PS 5-5 *Problem Solving with Shapes (Enrichment) * A Clean Cut *Shapely Seal *In Plane View *Engage NY 1-3	*RCC Interactive Lesson: Decomposing Two-Dimensional Shapes Part 1 & 2 *Online Game: Shape Construction *Online Video: What is a Tangram *Online Video: Math Monsters: Geometry *Online Video: Beginner Geometry
Week 3	Students will: <ul style="list-style-type: none"> • Divide circles and rectangles into two and four equal parts • Identify the number of equal parts in a divided shape • Name the parts as halves, fourths, and quarters • Understand that if a whole is divided into more parts, the parts get smaller 		
Lessons	Tasks / Activities	Worksheets	Technology
<u>RCC Lesson 28:</u> Understand Breaking Shapes into Parts (TRB p.215-221) *Engage NY Lessons	*Fraction Pictures *Make a Pizza *Fraction Word Cards (enrichment) *My Name in Fractions (enrichment)	MI p.130-133 PPS p.71 *SF R, P, E & PS 5-10 *SF R, P, E & PS 5-11 *Chocolate Cake Fractions *Equal Parts *Fresh and Hot *More Pizza, Please *Stirring the Sauce *Toss It Up! *Scrambled Geometry *Engage NY 1-3	*RCC Interactive Lesson: Fraction of a Whole: Halves and Fourths *Online Game: Fractions: Parts of a Whole *Online Game: Fraction Flag *Online Game: Jelly Golf
Summative Assessment		Performance Task	
RCC Unit 6 Review -MI p. 134-136 -Scoring Guide (TRB p. 222-223)		RCC Unit 6 Practice -PPS p.73-76 -Rubric (Teacher-Toolbox)	