

2nd Grade Unit 5: RWE - Geometry

You are working with pattern blocks during math class. Your teacher instructed everyone to clean up. As you are carrying the box of pattern blocks to the shelf, you accidentally trip on a glue stick and the entire box of pattern blocks goes crashing to the floor mixing up all the geometric shapes (situation). You (student role) now have to figure out which shapes go where in the box based on the attributes. You remembered everything you learned in today's lesson and in no time had all the shapes sorted (challenge).

The principal heard how well you did on your quick sorting skills and asked you to help student council run the bake sale at lunch (challenge). Since the entire school is focusing on different math skills, the principal wants you (student role) to sort the treats by shapes and divide the larger items into equal parts.

The principal wants you to write a narrative (product) for the newsletter (audience) based on your fabulous math sorting skills. She wants you to include two aspects of your math skills. The first one is how you knew where to place the pattern blocks so quickly in the box. The second one is how you knew how to sort the treats and divide them into equal parts.

Task 1: Name and list the attributes of the geometric shapes into the graphic organizer.

Task 2: List how you partitioned the circles and rectangle treats into two, three, or four equal parts. Complete a graphic organizer.

Task 3: Write a narrative paper for the newsletter on your experience.

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Notes to teacher

Complete the task in this order:

Task 1 should be completed after all the shapes and attributes are taught.

Task 2 should be completed after halves, thirds, and fourths are taught.

Task 3 should be completed at the end of the topics.

Tasks 1 and 2 can be entered in Skyward as “checks for Understanding.” However, if students do not show understanding of the shape attributes or equal shares, have them redo the tasks. These tasks are formative.

The Task 3 is assessed. The students need to explain how they sorted the shapes by attributes and divided the pieces of treats. They may use words and drawings. If the students want to use technology such as Pixie or Kids-peration, they can.

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Name: _____

<i>Meeting</i>	<ul style="list-style-type: none"><input type="checkbox"/> The student is able to explain in words the sorting of shapes by the attributes and portioning shapes.<input type="checkbox"/> The student correctly names and explains the attributes of a triangle<input type="checkbox"/> The student correctly names and explains the attributes of a quadrilateral<input type="checkbox"/> The student correctly names and explains the attributes of a pentagon<input type="checkbox"/> The student correctly names and explains the attributes of a hexagon<input type="checkbox"/> Student explains in words how to partition circles and rectangles into two equal shares describing the shares using the words such as halves<input type="checkbox"/> Student explains in words how to partition circles and rectangles into three equal shares describing the shares using the words such as thirds<input type="checkbox"/> Student explains in words how to partition circles and rectangles into four equal shares describing the shares using the words such as fourths
<i>Developing</i>	<ul style="list-style-type: none"><input type="checkbox"/> Meets 6 out of the 8 “Proficient” criteria
<i>Beginning</i>	<ul style="list-style-type: none"><input type="checkbox"/> Meets fewer than 6 of the “Proficient” criteria<input type="checkbox"/> Task to be repeated after re-teaching<input type="checkbox"/> Comments

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Name: _____

Task 1

<p>Picture: _____</p> <p>Shape: _____</p> <p># of sides _____</p> <p># of angles _____</p>	<p>Picture: _____</p> <p>Shape: _____</p> <p># of sides _____</p> <p># of angles _____</p>	<p>Picture: _____</p> <p>Shape: _____</p> <p># of sides _____</p> <p># of angles _____</p>
<p>Picture: _____</p> <p>Shape: _____</p> <p># of sides _____</p> <p># of angles _____</p>	<p>Picture: _____</p> <p>Shape: _____</p> <p># of sides _____</p> <p># of angles _____</p>	<p>Picture: _____</p> <p>Shape: _____</p> <p># of sides _____</p> <p># of angles _____</p>
<p>Picture: _____</p> <p>Shape: _____</p> <p># of sides _____</p> <p># of angles _____</p>	<p>Picture: _____</p> <p>Shape: _____</p> <p># of sides _____</p> <p># of angles _____</p>	<p>Picture: _____</p> <p>Shape: _____</p> <p># of sides _____</p> <p># of angles _____</p>

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Task 2

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Name: _____

Task 3

(Each teacher can use graphic organizer of his/her choice)