

Your name: Morgan Pendleton  Cooperating Teacher: Mrs. Jill Roberts	School: Lincoln  Grade: First  Subject: Math	Date/Time: 11-12-13
Unit Plan Driving question/Theme/Title:  Water		Lesson title/Topic: Ship of Shapes/Geometry

**STANDARDS/BENCHMARKS/GLCE** addressed in this lesson:

Geometry 1.G

**Reason with shapes and their attributes.**

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.
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.<sup>4</sup>

**STUDENT LEARNING OBJECTIVES/OUTCOMES** *Through these learning activities, the learner will demonstrate the ability to:*

Students will use the shapes to create other shapes as well as create their own ship.

**INSTRUCTIONAL ACTIVITIES:**

<b>Time:</b>	<p><b>Introduction</b></p> <ul style="list-style-type: none"> <li>• <b>Engagement:</b> Start by singing them a song in a “piratey way.”  <i>Yo Ho! Yo Ho! Yo Ho, Yo Ho, Yo Ho!</i>  <i>Oh the pirates life for me!</i>  <i>I’ll sail the big blue sea!</i>  <i>In my ship that’s built with geometry,</i></li> </ul>
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*With a shape or two, or three!*

*Yo Ho! Yo Ho! Yo Ho, Yo Ho, Yo Ho!*

*This ship that I will tow,*

*Will be for more than show.*

*And the thing that will make it go,*

*Is using what I know.*

*There are so many different shapes*

*That I could use for my boat.*

*There are squares and triangles, and circles too,*

*That will make anyone gloat!*

*So now it's up to you!*

*Which of these shapes will you use?*

*In making your very own*

*Pirate ship or two?*

### **Anticipatory set**

- **Exploration:**
- Students will notice the sets of shapes on every table and will start to create different pictures.

### **Instructional activities (including 'checking for understanding' activities, modeling, guided practice, independent practice)**

- **Explanation:**
  - Ok friends. From that song, what did you hear that gave you a clue on what we are going to learn about and do today? That's right! We are going to talk about geometry, and more specifically, shapes. Who remembers what shapes we learned about yesterday? (Squares have four sides that are the same length. Circles have no sides/corners. Rectangles have four sides, parallel/ opposite sides are the same
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length, but they all are not the same length. Triangles have three sides.)

- What is going to happen now is that at your table you will have already found little shapes. I will pass out a paper that will be your “sea.” We are going to be pirates for math class!
- You are a pirate and you want to sail the ocean blue, but you need a ship. So you will have to make your own. Well the fun thing about shapes, is that they make up a bunch of other things. When you look around at all the different objects, you will see that they can all be broken into shapes. What I’d like you to do is use the shapes and make your own pirate ship on the paper. (Model) Then at the bottom you will tell me how many of each shape you used.
- So can anyone tell me what I want them to do?
- All right! Let’s get to it!

**Interdisciplinary approaches:**

- **Elaboration:**
- You could read a book on shapes for literature, or have them create a picture using paper shapes and then the students write a story about the picture.

Accommodations for differentiated instruction for:

Resource students: Pair them with a higher level student. Have them

ESL students: Pair them with a higher level student.

Gifted students:

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## Assessment

- **Evaluation:**

	4	3	2	1	0
Shapes Used	At least two of every shape were used	At least one of every shape was used	Three shapes were used	Two shapes were used	Only one shape was used
Number of Shapes Correct	All shapes were correctly counted	2 shapes were not counted correctly	3 shapes were not counted correctly.	One shape was counted correctly	No shapes were counted
Boat	The shapes make a complete boat	The shape looks mostly like a boat	The shapes form a rough image of a boat	The shapes form some sort of a large shape	The shapes are just put on the sheet randomly

## Conclusion/closure

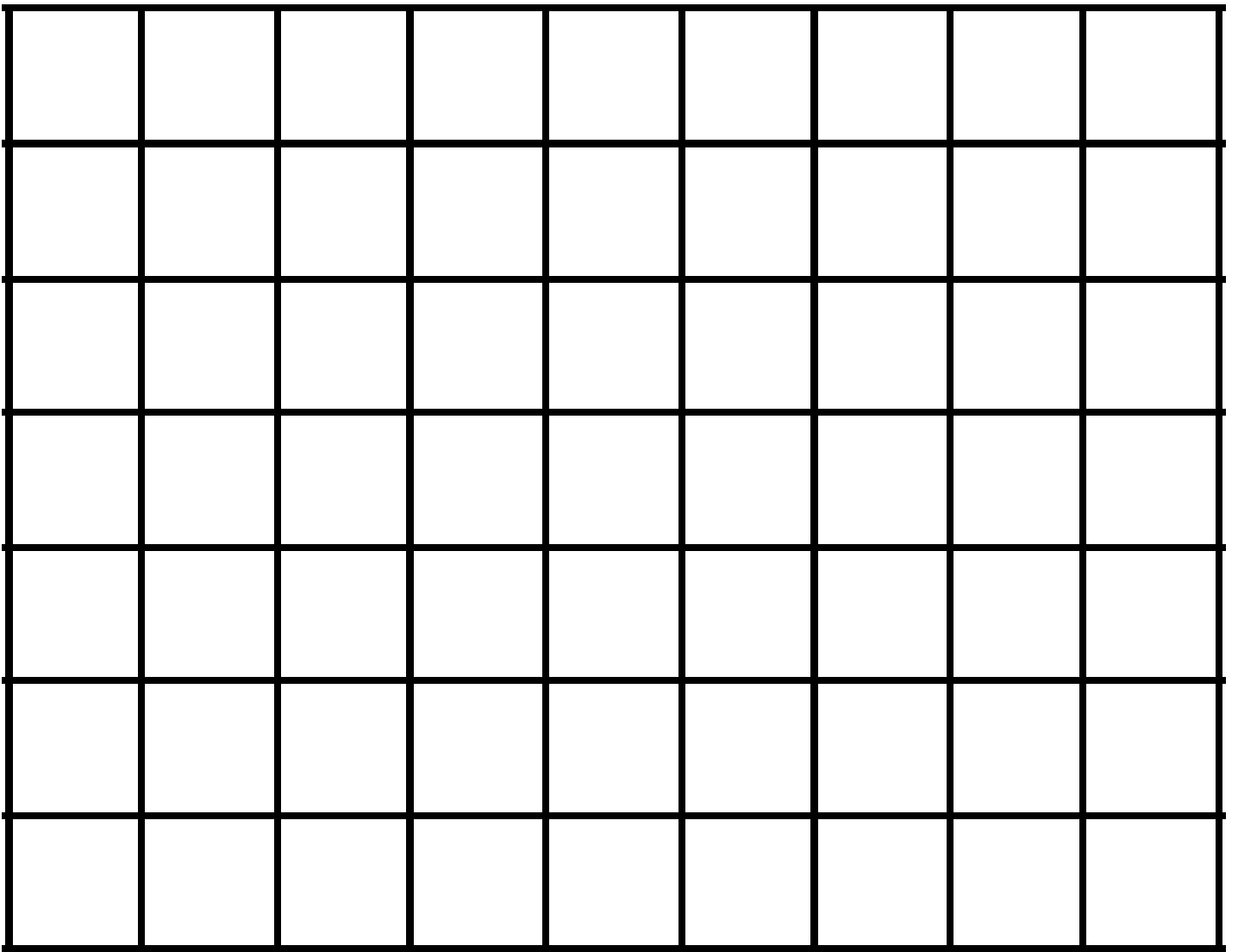
The wonderful thing about shapes is that you can use them to make other shapes. We did that by making our own pirate ship!

## Assignment/follow up

- **Extension:**
- The shape finder worksheet. Students will find and color all of the shapes the assigned color and count them.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Directions: Create your own Pirate ship using different shapes



Number of:

Squares: \_\_\_\_\_

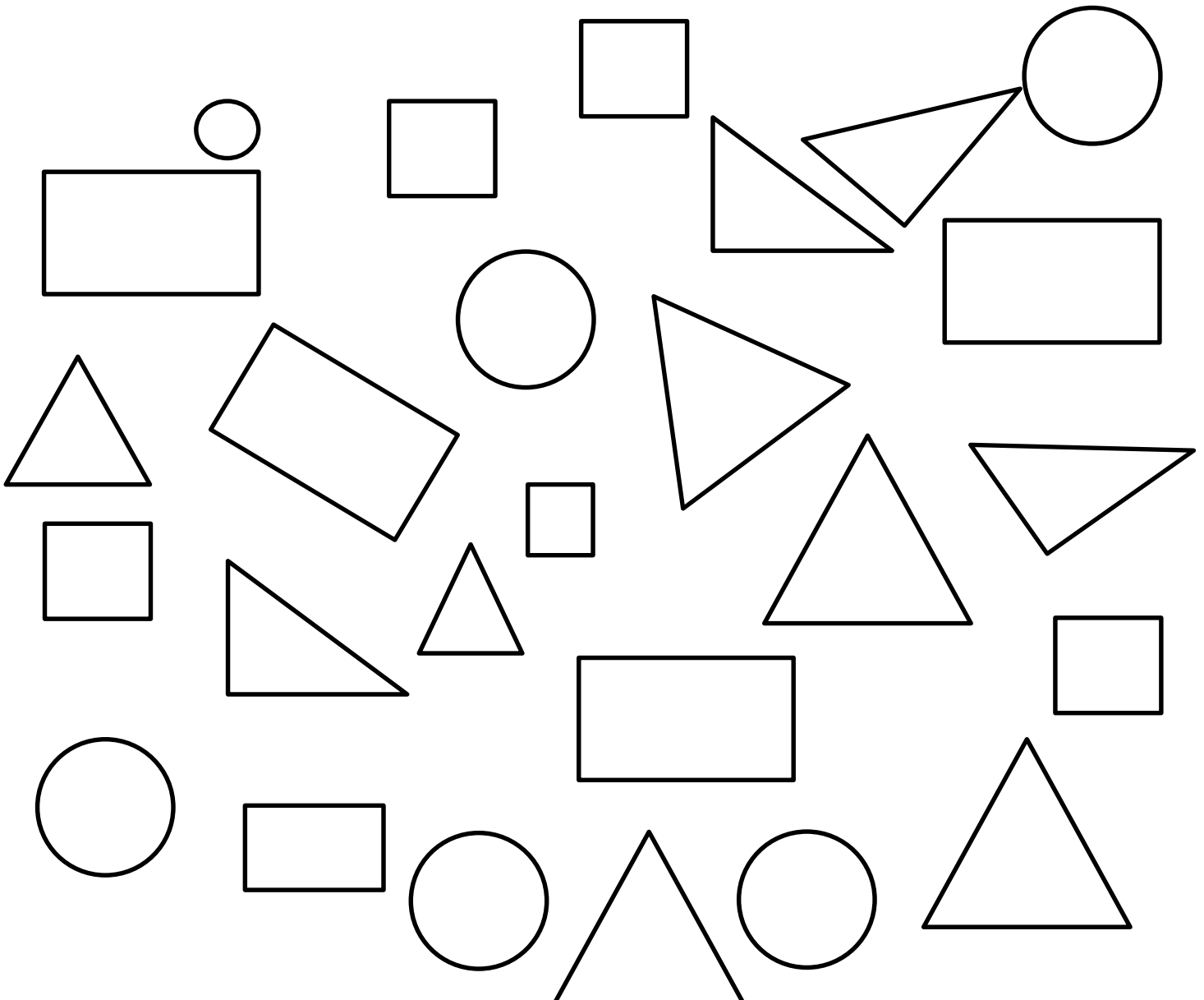
Circles: \_\_\_\_\_

Triangles: \_\_\_\_\_

Rectangles: \_\_\_\_\_

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Directions: Color every Triangle **RED**. Color every Square **BLUE**. Color every Circle **GREEN**. Color every Rectangle **PURPLE**. Then count how many of each there is.



Number of:

Squares: \_\_\_\_\_

Circles: \_\_\_\_\_

Triangles: \_\_\_\_\_

Rectangles: \_\_\_\_\_