



# A Geometric Shapes Scavenger Hunt

By: Amanda Martin

Elementary school music teacher; M.A.Ed. In Curriculum and Instruction

Math  
Grades 9–12



## Introduction

Congruence, rotations, and reflections! Shapes have it all! Students will participate in a scavenger hunt to find shapes and evaluate them for congruence, rotations, and reflections.

## Learning Objectives

([CCSS.MATH.CONTENT.HSG.CO.A.3](#)) Given a rectangle, parallelogram, trapezoid, or regular polygon, students will describe the rotations and reflections that carry it onto itself.

## Materials Needed

- Journals/notebooks

## Procedure

1. Review the following terms with the class: **congruence, rotation, and reflection**. Demonstrate and model each and give students several examples. Students will also need to write down the terms and their definitions in their journals or notebooks.
2. Briefly review the properties of the following shapes: rectangle, parallelogram, trapezoid, and polygon. Display pictures of each shape and discuss their properties as a class. Specifically, discuss how congruence, rotations, and reflections are used/found within each of the shapes. Students should additionally take notes, because they will need this information in the upcoming activities.
3. Students will complete a geometry scavenger hunt. Before class begins, ensure that there are multiple examples of each of the shapes found throughout the room. This can be done with pictures or tangible objects. Either will work perfectly. Students will work in pairs to find two of each of the shapes throughout the room. Once the shapes are found, students will use their notebooks/journals to record the congruence, rotations, and/or reflections they can observe. Students should write down explanations of their findings, and they may also draw pictures. Each pair of students may find different examples of the shapes than the other groups and that is fine. Examples will vary.

## Evaluation

Student work will be evaluated through the scavenger hunt activity. Students will work with a partner to evaluate shapes for rotations and reflections. Students will record their findings and draw pictures as necessary. Review student work for accuracy.