

Geometry

Performance Task Objectives

- Identify and describe the following: intersecting, parallel, and perpendicular lines
- Identify and describe angles
- Identify and describe characteristics such as symmetry, congruence, and similarity in geometric figures

Sunshine State Standards

- MA.C.1.2.1
- MA.C.2.2.1

Materials

- Student recording sheet
- Pattern blocks
- Rulers
- Thin markers or colored pencils (red, blue, green, brown, purple, yellow, black)
- Paper and pencil

Student arrangement

- Individual or small group

Task

Present the problem on the student Recording Sheet to your students.

Performance Criteria

- Does the student correctly identify and describe geometric shapes?
- Does the student correctly identify and describe intersecting, parallel, and perpendicular lines?
- Does the student correctly identify and describe angles?
- Does the student correctly identify and describe symmetry, congruence, and similarity in geometric figures?

Name _____

Part I

1. Use pattern blocks to fill in the shape on the attached paper.
2. Using a pencil, trace each pattern block in your figure.
3. Complete the following chart to indicate the pattern blocks used.

Name of Polygon	Color of Pattern Block	Number Used

Part II

On your figure from Part I, **draw** or **trace** the following.

- A. A set of parallel lines in red
- B. Intersecting lines in blue
- C. Perpendicular lines in green
- D. An acute angle in purple
- E. An obtuse angle in yellow
- F. A line of symmetry in black

Part III

Choose 2 different pattern blocks.

1. Identify and describe each using geometric terms.
2. Explain or make a chart in which you tell at least 3 likenesses and 3 differences in the geometric characteristics of these two polygons. (Use geometric terms.)

