

Geometry Project

Real World Similarity Mini-Book

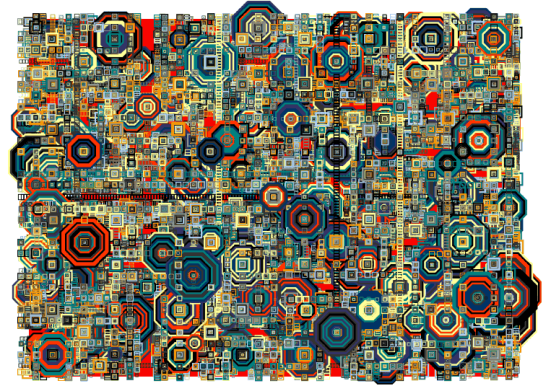
Group Project

OBJECTIVE: You and your group will create a mini-book that displays examples of similarity in the real world. Similarity exists everywhere: in nature, art, architecture, business, advertisements, etc... Some examples are tree growth rings, company logos, and golden ratio art. The book will contain 5 examples of similarity in the real world and explanation for each one.

DIRECTIONS: Over the weekend, each person in your group should find one example of similar figures in the real world. Bring to class a printed copy of the example and the proper measurements of each. Then in class, write an explanation for each example. Create a mini-book with these items. The book will be created on construction paper folded in half.

REQUIREMENTS:

- 5 different examples of real world similarity (find a variety!)
- Pictures of each example.
- Explanation of each example includes:
 - Why/How the examples are similar.
 - Scale Factor
 - Measurements of each object
 - Side length ratios
 - Image ratios
- All writing, pictures, and final product is neat and organized.
- Include appropriate labels.
- Title Page
- Work Cited Page



By Artist Don Relyea

RUBRIC:

_____/30 points – Finished product is neat, organized, well-labeled, and easy to comprehend.

_____/30 points – All aspects of the explanation are available and mathematically accurate.

_____/30 points – All 5 examples are of a variety of type, geometrically similar, and creative.

_____/10 points – Preparedness for Tuesday and behavior in the classroom.

What you need on Tuesday:

- Your picture of two geometrically similar, real-world objects
- Real-world measurements of each object.
- Glue sticks, tape, or other mounting material
- Markers, collared pencils, or other writing utensil

Group members:

Example:

1. _____

2. _____

3. _____

4. _____

5. _____
