

The teacher will need to see all of your work. Mark (x) off each one as you use it. Be sure to include the following:

- Pictures, charts, graphs, or t-tables that support your explanation
- A written explanation with detailed sentences
- The equation or number sentence
- The answer (Ask yourself: Is my answer reasonable? Why or why not?)
- The solution in more than one way or related to other situations

**Teacher Use Only**

**Analytical Score:**

**Understanding**                    N A P E

**Strategy/Reasoning**           N A P E

**Communication**                N A P E

**Holistic Score**                 N A P E

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

Teacher: \_\_\_\_\_ School: \_\_\_\_\_

# Stained-Glass Window Designs

You are planning a stained-glass window section. You start with one window and you divide it in two sections. But this isn't intricate enough for you so you divide each of these sections in two sections again. You do this many times.

How many sections do you have after 10 divisions?

After 20 divisions?

Remember, I will want to know all of the steps you take along the way. Can you make any connections or discuss any patterns you see?

