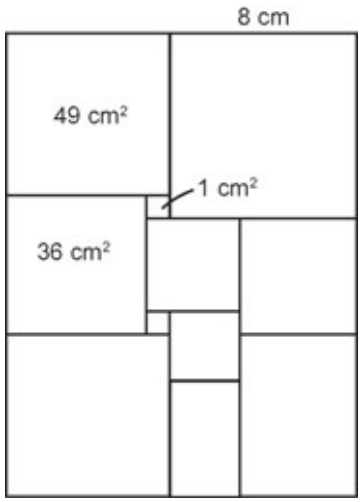
Name: _____ Date: _____

BLM 5–4

Chapter 5 Problems of the Week

1. The rectangle below is divided into square regions; it represents a design painted by students on a school fence. Find the area of each region on the fence and label the diagram. Find the surface area of the fence.



2. Two grade eight students were asked to present a strategy for developing a formula for finding the surface area of a right cylinder. They chose a zippered sleeping bag and two Hula Hoops® as manipulatives. Explain how they can use these items in their presentation.

3. A rectangle is formed by folding a square in half. The perimeter of the resulting rectangle is 27 cm. What is the area of the original square?

4. A total of 24 cubes fill a container. If the wooden cubes measure 2 cm^3, what are all of the possible dimensions of the container?