

Chapter 5 Wrap It Up!

This worksheet will help you with the Chapter 5 Wrap It Up! on page 191.

It is time to create your miniature community.

Work together in a group to finalize one aerial view for your community.

1. Work in a group with five or six other students. In the table below, list
 - the names of the students in your group
 - the names of the two buildings that each student sketched in the Math Link on page 175.

Student	Building 1	Building 2

2. What buildings are essential to your community but are missing from the table above?
3. Each student must choose a building from the list in #2. Make sure that the new designs include at least one prism and cylinder. For each new building, complete the following:
 - a) Make a 3-D sketch.
 - b) Draw and label the net and include the dimensions.
 - c) Calculate the surface area of the walls and roof.
4. Work with your group to finalize the aerial view and description of your community. Check off the list below as you complete each part:
 - All the buildings designed by you and your group members.
 - A 3-D sketch, net, and surface area calculations for one new building for each member of your group. Check each other's work.
 - Streets to navigate through the community.
 - Environmental considerations such as water sources and parks.