Name _____ Date _____

Practice
Lesson 8

Comparing Volume and Surface Area

Use Activity Master 110: Net J to help you complete this page.

1. What is the area of Net J? _____

2. Explain why the surface area of the three-dimensional figure you make from this net should be the same as the area of the net.

_____

_____

3. How many faces does the net have? _____

4. Explain why the number of faces on the three-dimensional figure will be the same as the number of faces on the net.

_____

5. How many edges does the net have? _____

6. Explain why the number of edges on the three-dimensional figure will *not* be the same as the number of edges on the net.

_____

_____

_____

7. How many vertices are on the net? _____

8. Explain why the number of vertices on the three-dimensional figure will *not* be the same as the number of vertices on the net.

_____

_____

_____

NOTE: You can cut out the net and build the three-dimensional figure to help you answer the questions above.