

## Volume of Pyramids Investigation

Cut out each the net for each figure. Fold the figure and use glue on each tab to hold the shape together in a solid figure.

1. What type of solid is formed from each of the given nets?
2. Calculate the surface area of each solid figure.
3. Arrange the three figures together to form a cube. Calculate the volume of the cube.
4. What does this tell you about the volume of each individual solid figure? Calculate the volume of each solid figure.
5. What would be a formula for the volume of these solid figures?
6. What dimensions of the solid figure would you need to know in order to calculate the volume? Label them on one of the solid figures.
7. What do you need to know to calculate the volume of any pyramid or cone?