Chapter 12 Volume Worksheet Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Period \_\_\_\_\_\_\_\_\_\_\_\_\_

**You must show work for each question in order to get any credit.**

**Use Puppet Dan to answer the following questions.**

1. What is the volume of Puppet Dan’s hat if it measures 6 inches wide by 6 inches high?
2. What is the volume of Puppet Dan’s head if it measures 6 inches wide?
3. What is the volume of Puppet Dan’s arms if one segment measures 2 inches wide by 4 inches long?
4. What is the volume of Puppet Dan’s hands if each one measures 2 inches wide?
5. What is the volume of Puppet Dan’s body if it measures 6 inches wide and 6 inches long? Each end of the cylinder measures 6 inches wide.
6. What is the volume of Puppet Dan’s legs if each segment measures 2 inches wide by 5 inches long?
7. What is the volume of Puppet Dan’s feet if each foot measures 2 inches 🞨 2 inches 🞨 1 inch?
8. What is puppet Dan’s total volume?
9. Puppet Dan is made out of foam. If foam weighs 3 ounces per cubic inch, how much does the total of Puppet Dan’s parts weigh?