



Activity 14

Stuff It!

Name _____

Date _____

You have been hired by a sports merchandise company, and you are extremely excited and eager to please. You are informed that you might not understand the purpose of the jobs you are assigned, but future promotions and raises are determined by how well you work with your fellow co-workers and pursue your assignments.

Assignment

Determine how many volleyballs (regulation size and removed from boxes) would be needed to fill your classroom. Find the dollar value of the contents of the room for insurance purposes.

To begin, list all team members and their jobs.

Team Member

Job

_____	_____
_____	_____
_____	_____
_____	_____

1. Talk with your team and decide what information you need to obtain from the teacher. Make a list of no more than 6 questions to ask the teacher.

2. List two or three ways that you might begin to solve this problem.

3. If 12 volleyballs were made available to you while solving this problem, how would you use them and why?

4. Will the strategy below accurately solve the problem? Why?
Volume of room \div Volume of one volleyball = Number of volleyballs in the room.

5. Suppose all the groups got different answers. Explain why the answers might be different.

6. What is the dollar value of the volleyballs? Explain how you got your answer. Include drawings that you used.

7. What was the most challenging part of this problem? Why?

8. Did your final answer surprise you? Why or why not?

9. If the problem changed from the volleyballs to shoe boxes, would the problem be easier or harder? Why?
