

## **SAME VALUE EXTENSION**

1. Place a tens block on the overhead projector. Next to the tens block place 15 ones blocks, randomly arranged. **What is the value of this large block? (10) What is the value of all of these blocks? (25) Can you show 25 using different blocks?** Give students time to find a solution and then ask a volunteer to come up to the overhead to show the class his blocks. **How do you know that your blocks have the same value as these blocks?**
2. Introduce the problem to the class. **Show 63 with 6 tens and 3 ones. Now find another way to show 63 with your Base Ten Blocks. Make a recording showing which blocks you used. Explain how you know both ways show 63.**

### **Questions for Discussion:**

- Which blocks did you use to show 63? How do you know that they show 63?
- Did anyone else use another combination of blocks to show 63? Explain your thinking.
- Do you think there are other ways to show 63 using Base Ten Blocks? What makes you think so?
- Did anyone wind up with too many tens blocks? How do you think that happened?

### **Learning Log:**

There are different ways to show 63 because \_\_\_\_\_

Suppose you wanted to find all the ways to show 63 with tens and ones blocks. Tell what you would do.

Show 33 two ways. Tell how both ways show 33.

[Source: 20 Thinking Questions for Base Ten Blocks Grades 2-3, by Creative Publications]