

6. After collecting and analyzing your data, compare your results with the results of other groups and discuss them with the class.
7. In your notebook, summarize what you learned about weight in this inquiry. Give evidence to support your conclusion.
4. From your observations, explain why different objects have different weights. What do you think determines the weight of an object? Support your answer with data.
5. In this inquiry you examined forces that pull on objects. Give an example of another way to exert a force on an object.

Lesson 5

REFLECTING ON WHAT YOU'VE DONE

1. In your notebook, write the answers to the questions in Steps 2 through 6 below. Discuss your answers with the class.
2. Use the results of your experiment with the rubber band to answer the following questions:
 - A. You want to pull a cart along the floor. How would you use the rubber band to do this?
 - B. Suppose you want to apply a force twice as big as the one you would use for Question 2A. What would you do to the rubber band to produce twice as much force?
3. Use the results of your weight experiment to answer the following questions:
 - A. What is the mass of a single washer?
 - B. What is the weight of a single washer?
 - C. When you added more washers (mass) to the spring scale, what did the spring do?
 - D. What do you call the force that makes objects have weight?
 - E. In what direction does this force pull on the washers?

6. In your science notebook, define "force."