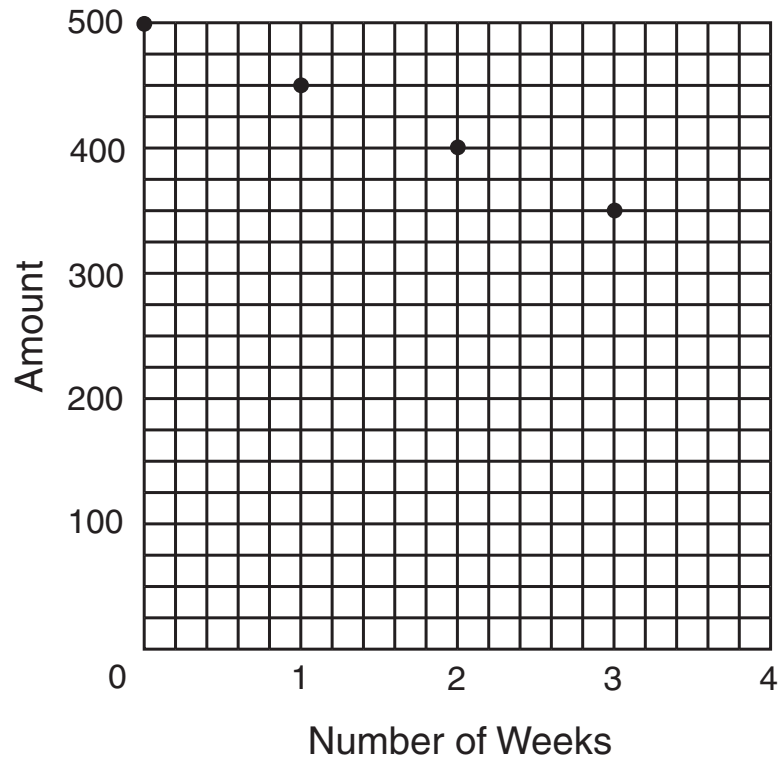


Making Connections

Activity 4

1. Record the data from the graph in the table. Label the input and output variables.



Input	Process	Output
W		A



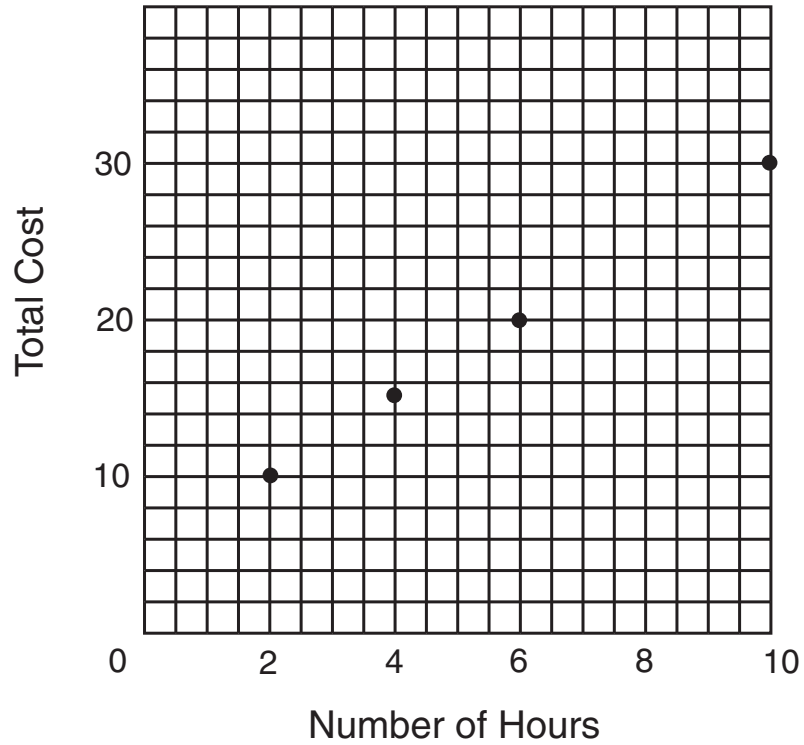
- a. Make up a scenario that the graph can represent.
- b. Explain your strategy for completing the table and compare it with the strategies of others in your group.
- c. Use the second column to show the process.
- d. Write a sentence and a function rule describing the amount in terms of the number of weeks. Confirm your rule with your calculator.
- e. Write an equation to find the number of weeks if the amount is known.



Making Connections

Activity 4 (continued)

- Record the data from the graph in the table by yourself. Label the input and output variables.



Input	Process	Output
H		T



- a. Make up a scenario that the graph can represent.
- b. Explain your strategy for completing the table and compare it with the strategies of others in your group.
- c. Use the second column to show the process.
- d. Write a sentence and a function rule describing the total cost in relation to time. Confirm your rule with your calculator.
- e. Write an equation that gives the number of hours if the total cost is known.
- f. Find the cost for 12 hours.
- g. Write and solve an equation for the problem: When is the cost \$42.50?

