

Lesson 4 Problem-Solving Practice

Multiple Representations of Functions

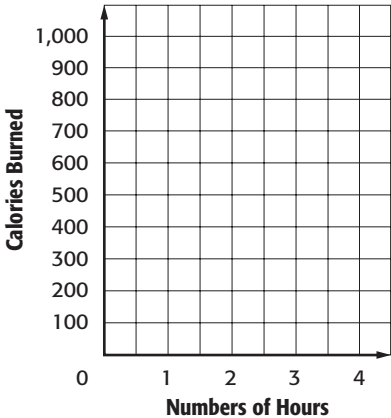
FITNESS For Exercises 1–3, use the following information.

Rosalia burns 250 Calories for each hour she does aerobics.

1. Write an equation to find c , the number of Calories Rosalia burns in h hours.

2. Make a table to show the relationship between the number of Calories c Rosalia burns doing aerobics for h hours.

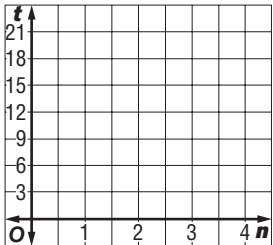
3. Graph the ordered pairs for the function in Exercise 1.



4. **MUSICALS** The table below shows the admission price to the school musical. Write a sentence and an equation to describe the data.

| Number of People (n) | Total Admission (t) |
|--------------------------|-------------------------|
| 1 | \$6 |
| 2 | \$12 |
| 3 | \$18 |

5. Graph the ordered pairs for the function in Exercise 4. Analyze the graph.



6. **VIDEO GAMES** The table below shows the number of points earned for catching bugs in a video game. Write a sentence and an equation to describe the data.

| Number of Bugs Caught (b) | Total Points (t) |
|-------------------------------|----------------------|
| 1 | 25 |
| 2 | 50 |
| 3 | 75 |

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