

Lesson 9-2 • Group 1

Reinforce Understanding**9.2 Small Group • Group 1**

With my small group, I can use a table and a graph to determine and analyze the relationship between two variable quantities — one step at a time, with support.

Worked model

A rental site charges \$7 per movie. Make a table for 1, 2, and 3 movies, then list the points to plot.

1. Independent: number of movies (x). Dependent: total cost (y).
2. Multiply each x by the rate: $1 \rightarrow 7$ · $2 \rightarrow 14$ · $3 \rightarrow 21$
3. Write each row as an ordered pair (x, y): (1, 7), (2, 14), (3, 21).
4. Plot each pair: move right along the x-axis first, then up to the y value.

Answer: Points to plot: (1, 7), (2, 14), and (3, 21). They rise in a straight path.

Practice

Complete each exercise. Show the reasoning that supports your answer.

1. Sort each ordered pair (tickets, cost): on the graph, or not?

Write the name of the correct group on each line.

Groups: On the ticket graph NOT on the graph

- _____ (1, 45)
- _____ (2, 90)
- _____ (4, 180)
- _____ (3, 120)
- _____ (2, 100)
- _____ (5, 200)

2. Tickets cost \$45 each. Complete the table that feeds the graph.

Complete the table. Show how you found each value.

Tickets (x)	Thinking	Total cost in dollars (y)
2		
5		
8		

Show your work