

Lesson 3-4 • Group 2

Reinforce Understanding

3.4 Small Group • Group 2

I can graph the values from a ratio table as points on the coordinate plane, explain what each part stands for, and build one for a situation I have not seen before.

Worked model

A sticker sheet holds 7 stickers per page. Let x = pages and y = stickers.

1. Make a table. 1 page $\rightarrow$ 7 2 pages $\rightarrow$ 14 3 pages $\rightarrow$ 21
2. Write each row as an ordered pair. (1, 7) (2, 14) (3, 21)
3. Plot the points and add (0, 0) — zero pages hold zero stickers.
4. Draw one straight line through the origin and all the points.

Answer: The points (0, 0), (1, 7), (2, 14), (3, 21) lie on one straight line.

Practice

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

- 1. Chef Reyes uses 3 cups of flour for every 1 cup of sugar. Plot the ordered pairs from the ratio table: (1,3), (2,6), (3,9), (4,12).**

Plot and label each point on the grid.

Show your thinking

- 2. Use the graph pattern $y = 5x$ to complete the ratio table, then identify what the ordered pairs would be.**

Complete the table. Show how you found each value.

x	y	Ordered Pair
1	5	(1, 5)
2		
4		
6		

Show your work

- 3. Recipe: 1 cup berries to 2 scoops yogurt. With cups on x and scoops on y, which pair shows 3 cups?**

Circle the letter of the best answer. Show how you know.

- A. (3, 6)
- B. (3, 5)
- C. (3, 3)
- D. (6, 3)

Show your work
