Name _____

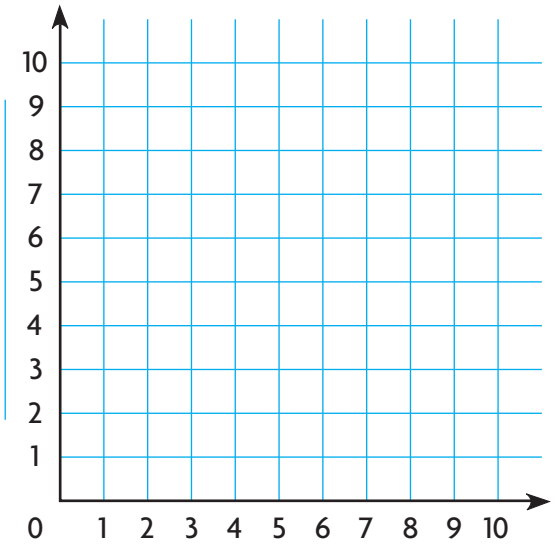
On Your Own

3. WRITE Math Explain how you can plot a point on the graph to represent a number pair.

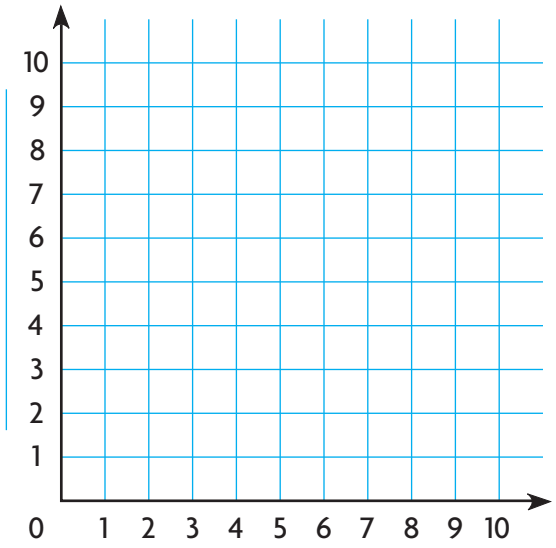
4. WRITE Math Explain how the first point in your graph for Problem 2 would change if the rule changes to $s = 5 + l$.

5. Rita uses red and blue ribbons in a design. The length of the blue ribbon b is always 3 inches greater than the length of the red ribbon r. Write a rule and plot 4 points on the graph to show the pattern.

MATH on the Spot



6. Mina uses green and red ribbons for her design. The length of the green ribbon g is always twice the length of the red ribbon r. Write a rule to describe Mina's design and plot 4 points on the graph to show the pattern.



Problem Solving · Applications

Fill in the bubble completely to show your answer.

7. A recipe for carrot juice uses the formula $j = 6c$, where j is the amount of juice in ounces and c is the number of pounds of carrots needed. How many pounds of carrots are needed for a 30-ounce glass of carrot juice?

Ⓐ 5 pounds

Ⓑ 24 pounds

Ⓒ 180 pounds

Ⓓ 36 pounds

8. Khalid uses the rule $y = x + 5$ to complete a table and make a graph. Which number pair will be on the graph?

Input	Output
x	*y*
1	6
2	7
3	
4	
5	

Ⓐ (6, 1)

Ⓑ (4, 8)

Ⓒ (5, 0)

Ⓓ (4, 9)

9. The rule $d = 12t$ shows the cost in dollars d for the number of movie tickets t. Which two points could be on the graph?

Ⓐ (0, 12) and (36, 3)

Ⓑ (1, 11) and (2, 24)

Ⓒ (0, 0) and (3, 36)

Ⓓ (0, 12) and (3, 36)

10. Lamar uses the rule $s = 7g$ to show the number of snacks he needs s for the number of guests at his party g. Which number pair shows the number of snacks needed for 4 guests?

Ⓐ (4, 28)

Ⓑ (1, 8)

Ⓒ (4, 14)

Ⓓ (28, 4)