

Use the table for questions 1–3.

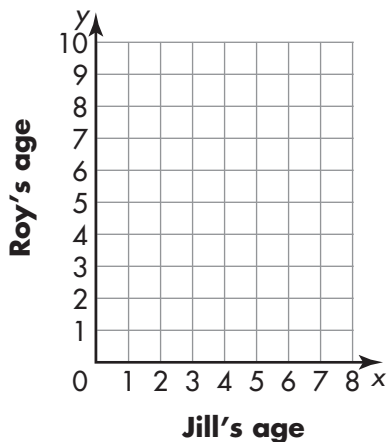
Jill and Roy's Ages

$$y = x + 2$$

Jill's age (x)	Roy's age (y)
1	3
2	4
3	5

1. Write the data in the table as ordered pairs

2. Plot the points and connect them. Extend the line segment.



3. Use the graph to decide how old Roy will be when Jill is 6 years old.

4. Juice cans come in packages of 4. What equation could you write to show how many cans of juice (y) are in x packages?

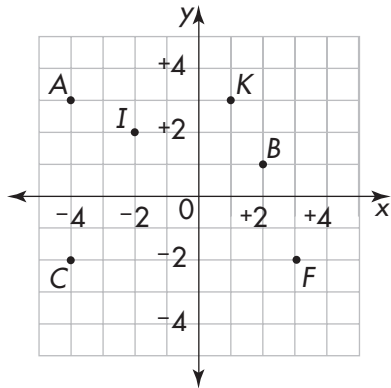
5. Let y stand for the total number of hot dogs. Let x stand for how many are in a package. What equation could you write to show how many hot dogs you would get if you bought 5 packages?

6. Complete the table.

Rule: $y = 7 + x$

x	y
4	
19	
33	

Use the graph below for questions 7–12.



Write the letter of the point for each ordered pair.

7. $(+1, +3)$ _____

8. $(-4, +3)$ _____

9. $(-4, -2)$ _____

Write the ordered pair for each point.

10. *B* _____

11. *F* _____

12. *I* _____

13. **Writing to Explain** Write directions for locating a point whose coordinates are $(9, 7)$.

14. Where is the point $(0, 3)$ located?

15. If the second coordinate of a point is 0, what do you know for certain about the location of that point?

Use the table for question 16.

Packages of Game Cards

Number of packages	3	4	5
Number of cards	15	20	25

16. If x stands for the number of packages and y stands for the number of cards, what is the rule for calculating the number of cards in x packages?
