

**Another Look!**

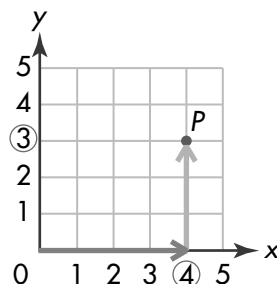
Point  $P$  gives the location of the playground. Find the coordinates of Point  $P$ .



Start at  $(0, 0)$ . Move a distance of 4 units to the right along the  $x$ -axis.

Move a distance of 3 units up.

The coordinates of Point  $P$  are  $(4, 3)$ .



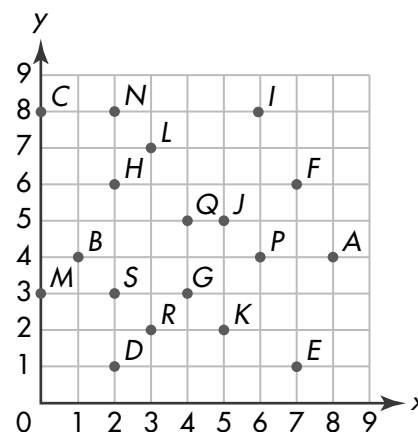
# Additional Practice 14-1

## The Coordinate System

In **1–6**, write the ordered pair for each point on the grid.

1. A **(8, 4)**      2. B **(1, 4)**      3. C **(0, 8)**  
 4. D **(2, 1)**      5. E **(7, 1)**      6. F **(7, 6)**

In **7–18**, name the point that is located at each ordered pair.



7.  $(4, 3)$  Point **G**      8.  $(3, 7)$  Point **L**      9.  $(0, 3)$  Point **M**  
 10.  $(5, 2)$  Point **K**      11.  $(6, 8)$  Point **I**      12.  $(6, 4)$  Point **P**  
 13.  $(4, 5)$  Point **Q**      14.  $(2, 8)$  Point **N**      15.  $(5, 5)$  Point **J**  
 16.  $(2, 6)$  Point **H**      17.  $(2, 3)$  Point **S**      18.  $(3, 2)$  Point **R**



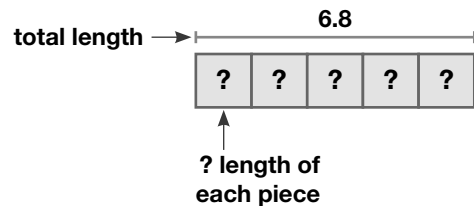
19. Describe to a friend how to graph a point at (2, 5).

**Sample answer:** Follow the x-axis across to the number 2 and the y-axis up to the number 5. Then follow the vertical grid line up and the horizontal grid line across. Plot a point where the two lines meet.

20. **Reasoning** How are the locations on a coordinate grid different for the ordered pairs (7, 0) and (0, 7)?

**Sample answer:** (7, 0) is on the x-axis because you move zero units up. (0, 7) is on the y-axis because you move zero units across.

21. Steven cut a wire into 5 equal pieces. He started with a wire that was 6.8 meters long. How many meters long was each piece that Steven cut? Use the bar diagram to help you. **1.36 meters**



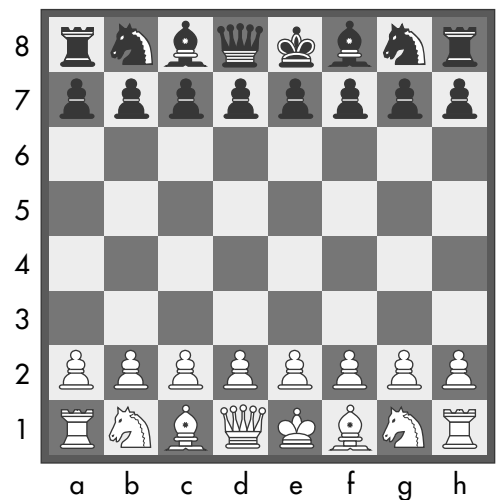
In 22 and 23, use the chessboard.

22. **Higher Order Thinking** A chessboard is similar to a coordinate grid. The pieces that look like horses are knights. What letter-number combinations name the locations of the white knights?

**(b, 1), (g, 1)**

23. Andre moves the pawn located at (e, 7) down 2 units. What letter-number combination names the pawn's new location? Explain.

**(e, 5); Sample explanation: Moving down 2 units changes only the y-coordinate. So, 2 units down would be  $7 - 2 = 5$ .**



### Assessment Practice

24. Point D is 2 units away from the origin along the x-axis and 4 units away along the y-axis.

What could be the coordinates of Point D?

- (A) (4, 2)  
(B) (2, 2)  
(C) (2, 4)  
(D) (6, 0)