

# Coordinate Plane Introduction Practice

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4th Grade Math Practice

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Solve each problem. Show your work when needed.

1. Plot the point  $(3, 4)$  on a grid. What are the coordinates of the point in the fourth quadrant?
2. What is the x-coordinate of the point  $(x, 7)$  if  $x = 5$ ?
3. A point is located at  $(2, 3)$  and moves to  $(2, 5)$ . How many units did it move vertically?  
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4. Circle the point that is further to the right:  $(4, 2)$  or  $(5, 1)$
5. The point  $(0, 0)$  is located in the first quadrant. True or False?  
 True    False
6. What is the area of a rectangle with length 6 units and width 4 units?
7. If you plot the points  $(1, 2)$ ,  $(1, 4)$ , and  $(1, 6)$ , how far apart are the first and last points on the y-axis?  
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8. If the coordinates of a point are  $(x, 8)$  and the point is in the second quadrant, what is the sign of  $x$ ?
9. A triangle has vertices at  $(1, 1)$ ,  $(1, 3)$ , and  $(3, 1)$ . What is the area of the triangle?  
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10. Which point is closer to the origin:  $(2, 1)$  or  $(1, 2)$ ?
11. Multiply the x-coordinates of the points  $(2, 3)$  and  $(4, 5)$ .
12. The ordered pair  $(5, 0)$  lies on the x-axis. True or False?  
 True    False
13. You need to connect the points  $(2, 3)$  to  $(2, 5)$ . How many units will you move up?  
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14. What is the next point if you start at  $(0, 0)$  and move to  $(1, 1)$  and then to  $(2, 2)$ ? The next point is  $(\underline{\quad}, \underline{\quad})$ .
15. If a point moves from  $(4, 3)$  to  $(4, 7)$ , what is the total distance moved vertically?

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**Answer Key**

1. (-3, -4) 2. 5 3. 2 4. (5, 1) 5. False 6. 24 7. 4 8. Negative 9. 3 10. Both are equidistant from the origin. 11. 8 12. True 13. 2 14. (3, 3) 15. 4