



# Coordinate Plane

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

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

Grade: Grade 5

## Part A: Fix the Sentence

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence: The point  $(3, 0)$  is located 3 units above the origin.

Rewrite: \_\_\_\_\_

2. Fix the sentence: An ordered pair is written with the  $y$ -coordinate first, then the  $x$ -coordinate.

Rewrite: \_\_\_\_\_

3. Fix the sentence: The  $x$ -axis runs vertically on a coordinate plane.

Rewrite: \_\_\_\_\_

## Part B: Fill in the Blank

Write the missing word or number on each line.

- In the ordered pair  $(9, 4)$ , the  $y$ -coordinate is \_\_\_\_\_.
- The point where the  $x$ -axis and  $y$ -axis cross is called the \_\_\_\_\_.
- To plot  $(0, 5)$ , stay at the origin and move \_\_\_\_\_ units up.
- The ordered pair for the origin is ( \_\_\_\_\_ , \_\_\_\_\_ ).

## Part C: Short Answer

Answer each question in one or two complete sentences.

1. Explain why the order of numbers matters in an ordered pair. Use  $(1, 8)$  and  $(8, 1)$  as examples.

\_\_\_\_\_  
\_\_\_\_\_

2. A point has an  $x$ -coordinate of 0 and a  $y$ -coordinate of 6. Where is this point located on the coordinate plane?

\_\_\_\_\_  
\_\_\_\_\_

## Answer Key · Coordinate Plane · Grade: Grade 5

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### Part A: Fix the Sentence

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Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence: The point (3, 0) is located 3 units above the origin.

Rewrite: **The point (3, 0) is located 3 units to the right of the origin.**

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2. Fix the sentence: An ordered pair is written with the y-coordinate first, then the x-coordinate.

Rewrite: **An ordered pair is written with the x-coordinate first, then the y-coordinate.**

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3. Fix the sentence: The x-axis runs vertically on a coordinate plane.

Rewrite: **The x-axis runs horizontally on a coordinate plane.**

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### Part B: Fill in the Blank

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Write the missing word or number on each line.

- In the ordered pair (9, 4), the y-coordinate is 4 .
- The point where the x-axis and y-axis cross is called the origin .
- To plot (0, 5), stay at the origin and move 5 units up.
- The ordered pair for the origin is (0 , 0 ).

### Part C: Short Answer

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Answer each question in one or two complete sentences.

1. Explain why the order of numbers matters in an ordered pair. Use (1, 8) and (8, 1) as examples.

*The order matters because the first number tells how far right to go and the second tells how far up. The point (1, 8) is 1 unit right and 8 units up, but (8, 1) is 8 units right and only 1 unit up. They are in completely different positions on the grid.*

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2. A point has an x-coordinate of 0 and a y-coordinate of 6. Where is this point located on the coordinate plane?

*The point (0, 6) is located on the y-axis. Since the x-coordinate is 0, you do not move right or left from the origin. You only move 6 units up, so the point sits directly on the y-axis.*

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