

Coordinate Plane (Quadrant I)

Geometry · Grade 5

Score: _____ / 10

● Easy · 10 Questions

Solve each problem. Show your work in the space provided. Write your answer on the line.

1. Plot the point (3, 5) on a coordinate grid.

Which axis does the '3' refer to?

Answer: _____

2. A point is at (0, 4). Where is it on the coordinate plane?

Answer: _____

3. Name the coordinates of the origin.

Answer: _____

4. A point is at $(6, 0)$. Where is it?

Answer: _____

5. What are the coordinates of a point 4 units right and 2 units up from the origin?

Answer: _____

6. Point A is at (2, 3) and Point B is at (2, 7).

How far apart are they?

Answer: _____

7. Point C is at (1, 4) and Point D is at (6, 4).

How far apart are they?

Answer: _____

8. What is the x-coordinate of any point on the y-axis?

Answer: _____

- 9.** What is the y-coordinate of any point on the x-axis?

Answer: _____

- 10.** Name the coordinates of a point 2 right and 5 up from the origin.

Answer: _____

Answer Key

Coordinate Plane (Quadrant I) — Easy

1. **The x-axis (horizontal). (3, 5) means 3 right and 5 up.**

In a coordinate pair (x, y) , the first number is the x-axis (horizontal) and the second is the y-axis (vertical).

2. **On the y-axis, 4 units above the origin.**

When $x=0$, the point is on the y-axis. $(0,4)$ is 4 units above the origin.

3. **(0, 0)**

The origin is where the x-axis and y-axis cross — at $(0, 0)$.

4. **On the x-axis, 6 units to the right of the origin.**

When $y=0$, the point is on the x-axis.

5. **(4, 2)**

Right = positive x. Up = positive y. Answer: $(4, 2)$.

6. **4 units**

Same x-coordinate: distance = $|7-3| = 4$ units (count vertically).

7. **5 units**

Same y-coordinate: distance = $|6-1| = 5$ units (count horizontally).

8. **0**

Every point on the y-axis has $x=0$. Example: $(0,3)$, $(0,-5)$.

9. **0**

Every point on the x-axis has $y=0$.

10. **(2, 5)**

$x=2$, $y=5$. Answer: $(2, 5)$.