

Grade 5 - Graphing on the Coordinate Plane - Quiz

Common Core 5.G.A.1, 5.G.A.2 · maths-pdf.fr/en/

Name: _____ Class: _____ Date: ____/____/____

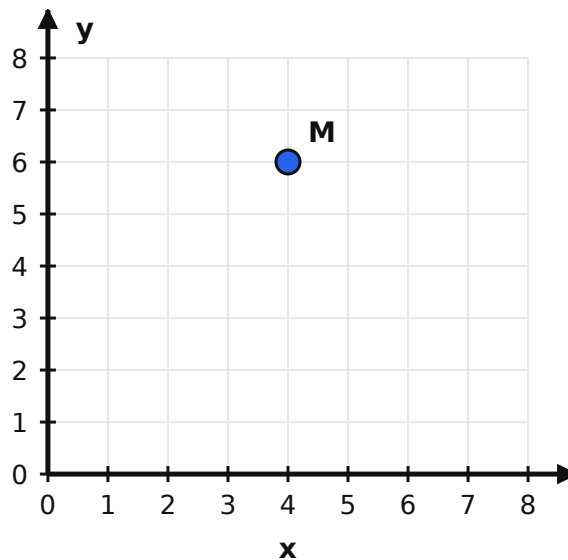
Try these 10 multiple-choice questions on ordered pairs, plotting points, distances and graphs. Pick the single best answer, then read the explanation to avoid the most common mistakes.

Grade 5 · Common Core State Standards: **5.G.A.1**, **5.G.A.2**

Questions

Question 1

What are the coordinates of point M?



A coordinate plane.

- A. (6,4)
- B. (4,6)
- C. (4,4)
- D. (6,6)

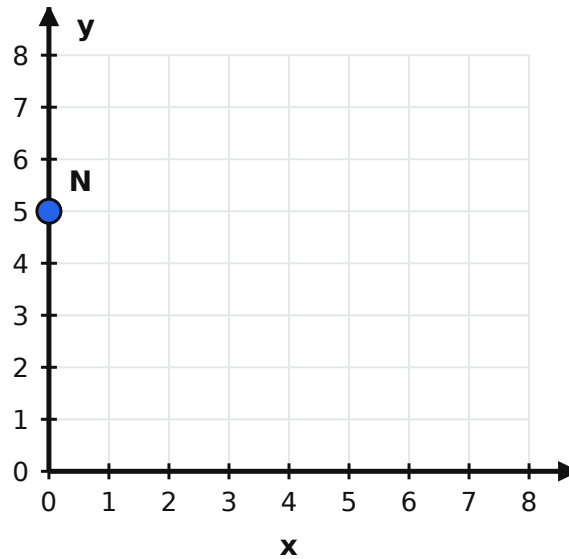
Question 2

What is the x-coordinate of the point (8,3)?

- A. 3
- B. 11
- C. 5
- D. 8

Question 3

Which ordered pair names point N?



A coordinate plane.

- A. (5,0)
- B. (5,5)
- C. (0,0)
- D. (0,5)

Question 4

Start at (3,2) and move 5 units up. Where do you end?

- A. (3,7)
- B. (8,2)
- C. (3,10)
- D. (5,2)

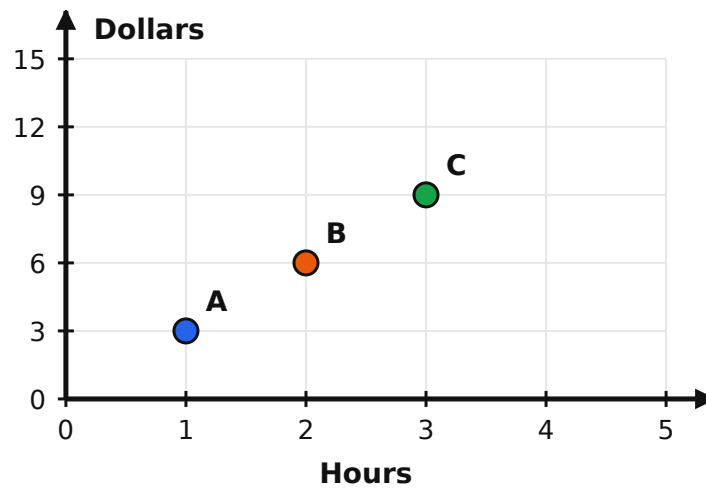
Question 5

What is the distance between (2,3) and (2,10)?

- A. 13 units
- B. 8 units
- C. 7 units
- D. 5 units

Question 6

The graph shows money earned from hours worked. If the pattern continues, how much is earned in 4 hours?



Dollars earned after each hour.

- A. \$12
- B. \$10
- C. \$15
- D. \$9

Question 7

Which point is on the x-axis?

- A. (0,4)
- B. (4,4)
- C. (4,0)
- D. (1,1)

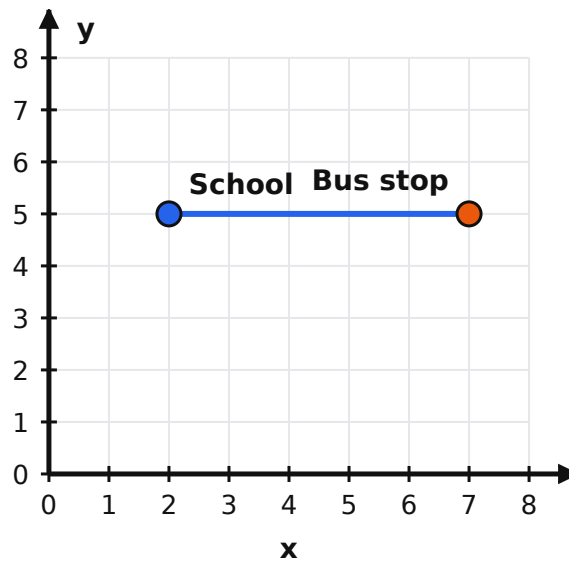
Question 8

Which ordered pair is 2 units right and 6 units up from the origin?

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

Question 9

How many blocks is it from the school to the bus stop?



A coordinate plane.

- A. 7 blocks
- B. 5 blocks
- C. 9 blocks
- D. 2 blocks

Question 10

Which statement about $(5,1)$ and $(1,5)$ is true?

- A. They are the same point.
- B. They are two different points.
- C. Both are on the x-axis.
- D. Both are on the y-axis.

Answers

1. **B** – Move 4 units right and 6 units up, so M is at (4,6). Reversing the numbers gives (6,4).
2. **D** – The first number in an ordered pair is the x-coordinate, so it is 8.
3. **D** – N is on the y-axis, 0 units right and 5 units up, so it is (0,5).
4. **A** – Moving up changes the y-coordinate: $2+5=7$. The x-coordinate stays 3.
5. **C** – The x-coordinates match, so subtract the y-coordinates: $10-3=7$. Adding gives 13.
6. **A** – The points go up \$3 each hour: 3, 6, 9, so 4 hours give \$12.
7. **C** – A point on the x-axis has a y-coordinate of 0, so (4,0) is on the x-axis.
8. **A** – The x-coordinate (right) comes first: (2,6).
9. **B** – Both points have y-coordinate 5, so subtract the x-coordinates: $7-2=5$. Adding gives 9.
10. **B** – (5,1) is 5 right and 1 up. (1,5) is 1 right and 5 up. The order of the numbers matters.

Remember

- The x-axis is horizontal and the y-axis is vertical; they meet at the origin (0, 0).
- An ordered pair (x, y) gives the move right first, then up.
- (2, 5) and (5, 2) are two different points.
- Points with the same x-coordinate or the same y-coordinate lie on a straight line, so subtract to find the distance.
- Axis labels explain what each coordinate means in a real-world graph.