

Grade 5 · The Coordinate Plane · Quiz

Common Core 5.G.A.1, 5.G.A.2 · mathovore.fr

Name: _____ Date: ____/____/____ Score: _____

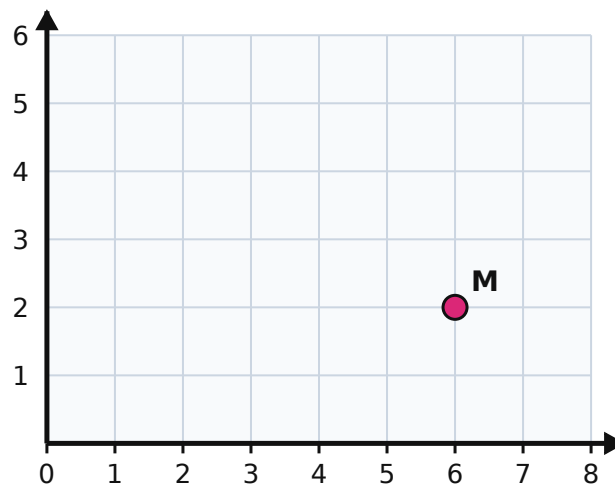
Answer these 10 multiple-choice questions on the coordinate plane (5.G.A.1 and 5.G.A.2). Read each ordered pair carefully, pick one answer, and use the explanation to learn from any mistakes.

Grade 5 Common Core: 5.G.A.1 · 5.G.A.2

Questions

Question 1

Which ordered pair names point M?



Point M.

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

Question 2

What is the ordered pair for the origin?

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

D. (1,0)

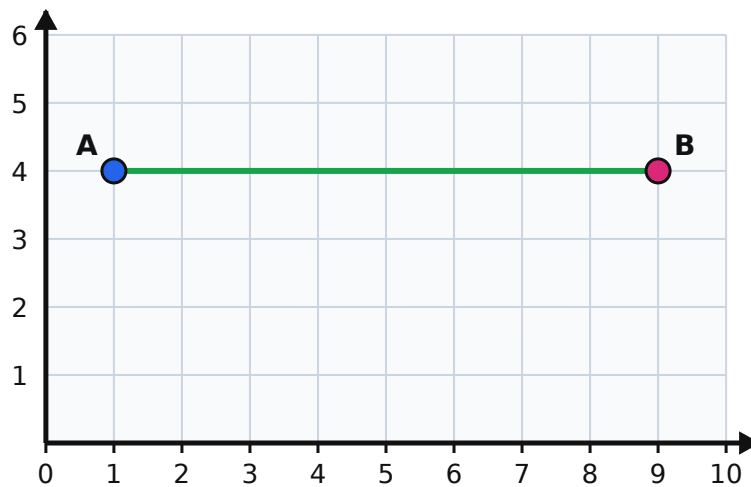
Question 3

A point is 3 units right and 7 units up from the origin. Which ordered pair names it?

- A. (7,3)
- B. (3,0)
- C. (3,7)
- D. (0,7)

Question 4

How many units apart are A and B?



Points A and B.

- A. 10 units
- B. 9 units
- C. 8 units
- D. 5 units

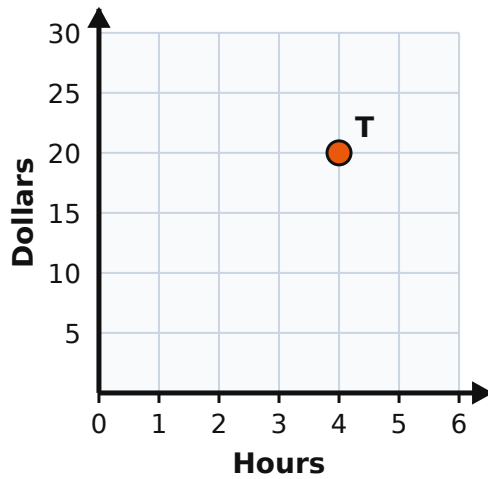
Question 5

Which point lies on the y-axis?

- A. (6,0)
- B. (0,6)
- C. (6,6)
- D. (1,6)

Question 6

What does point T mean on this graph?



Dollars earned (y) after hours worked (x).

- A. 4 hours worked, earned
- B. 20 hours worked, earned
- C. 4 hours worked, earned
- D. 4 hours worked, earned

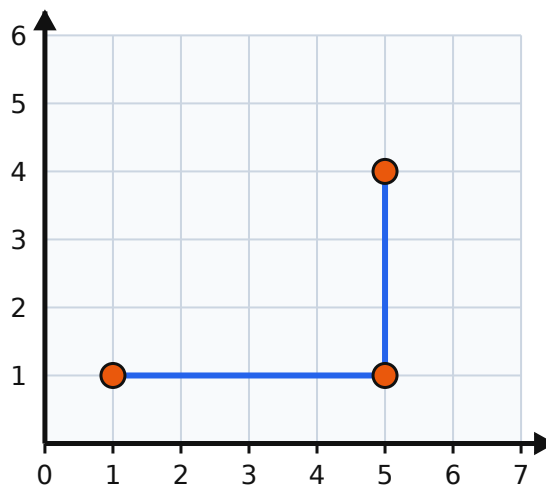
Question 7

Sofia plots (5,2) and (5,9). How far apart are the points?

- A. 11 units
- B. 6 units
- C. 14 units
- D. 7 units

Question 8

What is the fourth corner of the rectangle?



Three corners of a rectangle.

- A. (1,4)
- B. (4,1)
- C. (1,5)
- D. (5,5)

Question 9

Which point is farthest from the y-axis?

- A. (2,9)
- B. (5,5)
- C. (0,8)
- D. (7,1)

Question 10

Jamal wants to plot (2,8). Which directions are correct from the origin?

- A. Go 2 up, then 8 right
- B. Go 8 right, then 2 up
- C. Go 2 right, then 8 up
- D. Go 2 right, then 2 up

Answer key

1. **A** – M is 6 units right and 2 units up. Writing the up number first is the most common mistake.
2. **B** – The axes cross where both coordinates are 0.
3. **C** – Right comes first, so the x-coordinate is 3 and the y-coordinate is 7.
4. **C** – Same y-coordinate, so subtract the x-coordinates: $9-1=8$. Adding gives 10.
5. **B** – Points on the y-axis have an x-coordinate of 0.
6. **A** – The x-coordinate 4 is hours and the y-coordinate 20 is dollars. Swapping them is a common mistake.
7. **D** – Same x-coordinate, so subtract the y-coordinates: $9-2=7$.
8. **A** – The fourth corner shares $x = 1$ with the bottom-left corner and $y = 4$ with the top-right corner.
9. **D** – Distance from the y-axis is the x-coordinate, and 7 is the greatest. The y-coordinate measures distance from the x-axis.
10. **C** – The first number, 2, is the move right; the second number, 8, is the move up.

Remember:

- The x-axis is horizontal, the y-axis is vertical, and they cross at the origin (0, 0).
- In an ordered pair (x, y), the first number tells how far right and the second how far up.
- The order matters: (3, 5) and (5, 3) are different points.
- Points on the x-axis have $y = 0$, and points on the y-axis have $x = 0$.
- Graphing real-world data pairs lets you read distances and meanings from the picture.