

Coordinate Quest Map

Plot points and read what their coordinates mean.

GRADE 5 • 5.G.A.2

CCSS.Math.Content.5.G.A.2 "Represent real world and mathematical problems by graphing points in the first quadrant of the coordinate plane, and interpret coordinate values of points in the context of the situation."

NAME _____

DATE _____

READ X, THEN Y

An ordered pair is written (x, y) . Start at the origin, move right to find the x-coordinate, then move up to find the y-coordinate.

WORKED EXAMPLE

Graph point R at $(11, 12)$.

1. Start at the origin, $(0, 0)$.
2. Move 11 units right for the x-coordinate.
3. Move 12 units up for the y-coordinate.
4. Mark and label point R.

Answer: R is at $(11, 12)$.

PRACTICE 6 problems

- 1** Graph point A at $(3, 7)$.

ANSWER _____

- 2** Point B is 8 units right and 2 units up from the origin. Write its ordered pair.

ANSWER _____

- 3** Point C is at $(1, 6)$. What does the 6 tell you?

ANSWER _____

- 4** A point is 5 units right and 10 units up from the origin. Write and graph its ordered pair.

ANSWER _____

- 5** On a map, the library is at $(4, 8)$. The first number tells blocks east, and the second number tells blocks north. Where is the library?

ANSWER _____

- 6** Point F is at $(9, 3)$. Which coordinate tells how far up point F is?

ANSWER _____

APPLY IT Show your work

- 1** At a school fun fair, the prize booth is at $(7, 9)$ on a map. The x-coordinate shows steps to the right, and the y-coordinate shows steps up. Graph the prize booth. What do its coordinates tell you?

WORK SPACE

ANSWER _____

- 2** In a video game map, three treasure chests are at $(2, 8)$, $(9, 1)$, and $(5, 6)$. Graph the chests. Which chest is farthest to the right, and what is its ordered pair?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

Lena says point $(6, 2)$ is closer to the y-axis than point $(3, 8)$ because 6 is greater than 3. Is Lena correct? Explain your reasoning.

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	Graph point A at (3, 7).	A is 3 units right and 7 units up from the origin.
2	Point B is 8 units right and 2 units up from the origin. Write its ordered pair.	(8, 2)
3	Point C is at (1, 6). What does the 6 tell you?	Point C is 6 units up from the origin.
4	A point is 5 units right and 10 units up from the origin. Write and graph its ordered pair.	(5, 10)
5	On a map, the library is at (4, 8). The first number tells blocks east, and the second number tells blocks north. Where is the library?	The library is 4 blocks east and 8 blocks north.
6	Point F is at (9, 3). Which coordinate tells how far up point F is?	The y-coordinate, 3, tells how far up point F is.

PART 2 • APPLY IT

- The prize booth is 7 steps right and 9 steps up from the origin.** Plot the point by moving 7 units right and 9 units up from the origin. Interpret each coordinate using the map key.
- The chest at (9, 1) is farthest to the right.** Compare the x-coordinates because x shows how far right each chest is. The greatest x-coordinate is 9.

CHALLENGE

No. Point (3, 8) is closer to the y-axis because it is 3 units right of the y-axis, while point (6, 2) is 6 units right of the y-axis.

Accept ordered pairs with or without a space after the comma. For graphing items, accept a correctly plotted and labeled point in the first quadrant.