LESSON MAKER PRO

Grid Quest

Find and describe places on a coordinate plane.

GRADE 5 · 5.G.2

5.G.2 "Plot and interpret points in the first quadrant of the coordinate plane to represent real-world and mathematical situations."

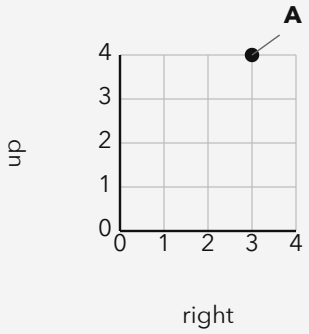
NAME _____ DATE _____

READ A POINT

An ordered pair names a place on a grid. Start at (0, 0). The first number tells you how far to go right, and the second tells you how far to go up.

WORKED EXAMPLE

What ordered pair names point A?



1. From (0, 0), go 3 units right.
2. Go 4 units up to reach A.
3. Write right first, then up.

Answer: (3, 4)

PRACTICE 4 problems

1 From (0, 0), move 1 unit right and 2 units up. Write the ordered pair.

ANSWER _____

2 A point is at (5, 1). How many units up from (0, 0) is it?

ANSWER _____

3 Point B is (1, 5). Point C is (5, 1). Which point is farther right?

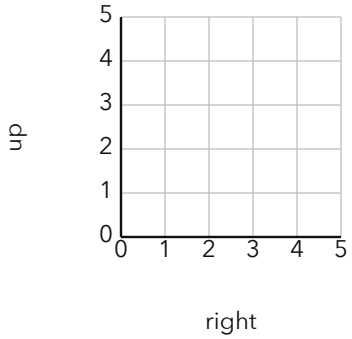
ANSWER _____

4 A point is 5 units right and 2 units up from (0, 0). Write its ordered pair.

ANSWER _____

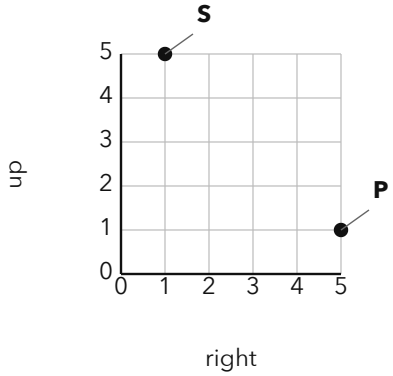
APPLY IT Show your work

1 On this game grid, plot a treasure at (2, 5). How many units above (0, 0) is it?



ANSWER _____

2 At a festival, S marks snacks and P marks prizes. Which booth is farther right? How many units farther?



ANSWER _____

CHALLENGE One step up

A game token starts at (1, 5). It moves 4 units right and 3 units down. What is its new ordered pair? Explain.

WORK SPACE AND ANSWER

ANSWER KEY

Grid Quest

GRADE 5 · 5.G.2

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	From (0, 0), move 1 unit right and 2 units up. Write the ordered pair.	**(1, 2)**
2	A point is at (5, 1). How many units up from (0, 0) is it?	**1 unit**
3	Point B is (1, 5). Point C is (5, 1). Which point is farther right?	**Point C**
4	A point is 5 units right and 2 units up from (0, 0). Write its ordered pair.	**(5, 2)**

PART 2 · APPLY IT

1. **Treasure plotted at (2, 5); 5 units above (0, 0).** Move 2 units right and 5 units up to plot the treasure. Its second coordinate gives its distance above (0, 0).
2. **P, the prize booth, is 4 units farther right.** Compare the first coordinates: P is at 5 and S is at 1. The difference is 4 units.

CHALLENGE

(5, 2). Moving right changes 1 to 5, and moving down changes 5 to 2.

For the first word problem, check that the student marks the point at (2, 5), not just that they write the correct distance. For the challenge, accept any explanation that correctly tracks both coordinates.