LESSON MAKER PRO

Points Around Town

Read coordinates on community plans

GRADE 5 · MT.5.G.2

MT.5.G.2 "Represent problems including problems in context by graphing points in the first quadrant of the coordinate plane and interpret coordinate values of points in the context of the situation..."

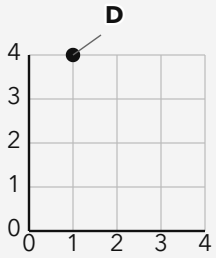
NAME _____ DATE _____

READ A POINT

In an ordered pair, the first number tells how far right to go from 0. The second number tells how far up to go.

WORKED EXAMPLE

What is point D's ordered pair?



1. Count 1 space right.
2. Count 4 spaces up.

Answer: (1, 4)

PRACTICE 4 problems

1 A booth is 3 spaces right and 2 spaces up from 0. Write its ordered pair.

ANSWER _____

2 A marker is at (5, 6). How many spaces up is it?

ANSWER _____

3 A game station is at (6, 3). How many spaces right and up is it from 0?

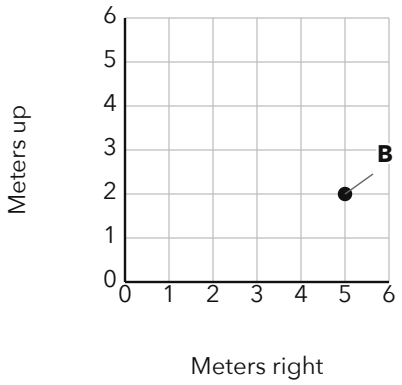
ANSWER _____

4 A friend says (2, 5) means 5 spaces right. What is wrong?

ANSWER _____

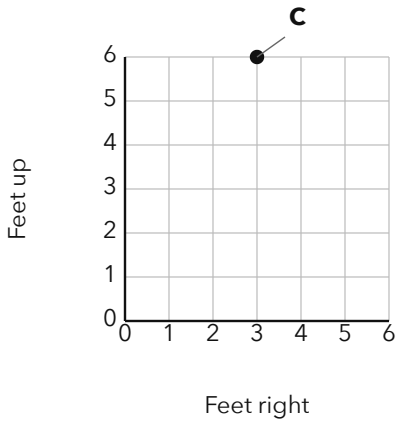
APPLY IT Show your work

1 At a Montana community art fair featuring Indigenous artists, booth B is marked on the plan. Each grid step is 1 meter. How far right and up is B from the entrance at (0, 0)?



ANSWER _____

2 At a school exhibit of designs by Montana Indigenous artists, point C marks a display. Each grid step is 1 foot. Give C's ordered pair and tell what it means from (0, 0).



ANSWER _____

CHALLENGE One step up

A display starts at (6, 5). It moves 3 spaces left and 2 spaces down. What is its new ordered pair? Explain.

WORK SPACE AND ANSWER

ANSWER KEY

Points Around Town

GRADE 5 · MT.5.G.2

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A booth is 3 spaces right and 2 spaces up from 0. Write its ordered pair.	**(3, 2)**
2	A marker is at (5, 6). How many spaces up is it?	**6 spaces**
3	A game station is at (6, 3). How many spaces right and up is it from 0?	**6 spaces right and 3 spaces up**
4	A friend says (2, 5) means 5 spaces right. What is wrong?	**It means 2 spaces right and 5 spaces up.**

PART 2 · APPLY IT

1. **5 meters right and 2 meters up** Read B as (5, 2). Each space is 1 meter, so the coordinates give the distances right and up.
2. **(3, 6), or 3 feet right and 6 feet up** Read C's horizontal position first and its vertical position second. The scale is 1 foot per space.

CHALLENGE

(3, 3). Moving left changes 6 to 3, and moving down changes 5 to 3.

Accept equivalent wording for right and up distances. Coordinates must stay in horizontal, then vertical order.