Coordinate Plane Word Problems - ANSWER KEY

Grade 5 | Solving map and movement problems with ordered pairs in the first quadrant | Version 7 of 10

Read each problem. In an ordered pair (x, y), x tells how far to go across and y tells how far to go up. Sketch a grid if it helps. Write distances in units and points as ordered pairs.

1. On a city map, the bakery is at (1, 1) and the museum is at (8, 1). How many units apart are they?

Answer: **7 units**

2. A garden plan shows a tree at (8, 5) and a bench at (8, 7). How many units is it from the tree to the bench?

Answer: **2 units**

3. A toy robot starts at (4, 10). It moves 2 units left and then 1 units down. Where is the robot now?

Answer: **(2, 9)**

4. Omar rides a bike from (0, 10). Omar goes 2 units right and then 1 units down. Where does Omar end up?

Answer: **(2, 9)**

5. Jude starts at (8, 0) and walks 1 units right and 6 units up. At what point does Jude stop?

Answer: **(9, 6)**

6. On a town map, the library is at (8, 4) and the park is at (8, 9). How many units apart are they?

Answer: **5 units**

7. On a map, the school is at (0, 4) and the pool is at (7, 4). How many units apart are they?

Answer: **7 units**

8. Lily starts at (9, 1) and walks 1 units left and 1 units up. At what point does Lily stop?

Answer: **(8, 2)**