Coordinate Plane Word Problems - ANSWER KEY

Grade 5 | Solving map and movement problems with ordered pairs in the first quadrant | Version 6 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. A garden plan shows a tree at (9, 5) and a bench at (9, 10). How many units is it from the tree to the bench?

Answer: **5 units**

2. Ivy starts at (7, 2) and walks 2 units right and 1 units up. At what point does Ivy stop?

Answer: **(9, 3)**

3. On a city map, the bakery is at (9, 7) and the museum is at (0, 7). How many units apart are they?

Answer: **9 units**

4. Omar rides a bike from (3, 2). Omar goes 3 units right and then 2 units down. Where does Omar end up?

Answer: **(6, 0)**

5. Sam starts at (2, 6) and walks 1 units left and 2 units up. At what point does Sam stop?

Answer: **(1, 8)**

6. On a map, the school is at (4, 7) and the pool is at (2, 7). How many units apart are they?

Answer: **2 units**

7. On a town map, the library is at (1, 1) and the park is at (1, 4). How many units apart are they?

Answer: **3 units**

8. A toy robot starts at (9, 10). It moves 6 units left and then 2 units down. Where is the robot now?

Answer: **(3, 8)**