Coordinate Plane Word Problems - ANSWER KEY

Grade 5 | Solving map and movement problems with ordered pairs in the first quadrant | Version 1 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 (7, 3) and a bench at (7, 10). How many units is it from the tree to the bench?

Answer: **7 units**

2. On a city map, the bakery is at (0, 2) and the museum is at (5, 2). How many units apart are they?

Answer: **5 units**

3. Zoe starts at (9, 4) and walks 1 units right and 2 units up. At what point does Zoe stop?

Answer: **(10, 6)**

4. Leo starts at (7, 1) and walks 5 units left and 1 units up. At what point does Leo stop?

Answer: **(2, 2)**

5. A toy robot starts at (4, 9). It moves 3 units left and then 6 units down. Where is the robot now?

Answer: **(1, 3)**

6. On a town map, the library is at (1, 9) and the park is at (1, 4). How many units apart are they?

Answer: **5 units**

7. On a map, the school is at (2, 7) and the pool is at (5, 7). How many units apart are they?

Answer: **3 units**

8. Kai rides a bike from (3, 9). Kai goes 3 units right and then 2 units down. Where does Kai end up?

Answer: **(6, 7)**