Coordinate Plane Word Problems - ANSWER KEY

Grade 5 | Solving map and movement problems with ordered pairs in the first quadrant | Version 4 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 map, the school is at (8, 6) and the pool is at (3, 6). How many units apart are they?

Answer: **5 units**

2. On a town map, the library is at (6, 0) and the park is at (6, 6). How many units apart are they?

Answer: **6 units**

3. A garden plan shows a tree at (1, 3) and a bench at (1, 0). How many units is it from the tree to the bench?

Answer: **3 units**

4. On a city map, the bakery is at (10, 0) and the museum is at (5, 0). How many units apart are they?

Answer: **5 units**

5. A toy robot starts at (5, 7). It moves 3 units left and then 3 units down. Where is the robot now?

Answer: **(2, 4)**

6. Sam starts at (10, 4) and walks 6 units left and 3 units up. At what point does Sam stop?

Answer: **(4, 7)**

7. Leo rides a bike from (4, 7). Leo goes 2 units right and then 4 units down. Where does Leo end up?

Answer: **(6, 3)**

8. Mia starts at (5, 8) and walks 4 units right and 2 units up. At what point does Mia stop?

Answer: **(9, 10)**