Name: _____ Date: _____

Coordinate Plane Word Problems

Grade 5 | Solving map and movement problems with ordered pairs in the first quadrant | Version 3 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 (6, 1) and a bench at (6, 9). How many units is it from the tree to the bench?

Answer: _____

2. Lily starts at (8, 6) and walks 3 units left and 4 units up. At what point does Lily stop?

Answer: _____

3. Max starts at (5, 1) and walks 3 units right and 5 units up. At what point does Max stop?

Answer: _____

4. Tess rides a bike from (6, 7). Tess goes 4 units right and then 6 units down. Where does Tess end up?

Answer: _____

5. On a city map, the bakery is at (3, 1) and the museum is at (8, 1). How many units apart are they?

Answer: _____

6. On a map, the school is at (6, 1) and the pool is at (10, 1). How many units apart are they?

Answer: _____

7. On a town map, the library is at (2, 3) and the park is at (2, 7). How many units apart are they?

Answer: _____

8. A toy robot starts at (10, 7). It moves 1 units left and then 2 units down. Where is the robot now?

Answer: _____

Coordinate Plane Word Problems - ANSWER KEY

Grade 5 | Solving map and movement problems with ordered pairs in the first quadrant | Version 3 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 (6, 1) and a bench at (6, 9). How many units is it from the tree to the bench?

Answer: **8 units**

2. Lily starts at (8, 6) and walks 3 units left and 4 units up. At what point does Lily stop?

Answer: **(5, 10)**

3. Max starts at (5, 1) and walks 3 units right and 5 units up. At what point does Max stop?

Answer: **(8, 6)**

4. Tess rides a bike from (6, 7). Tess goes 4 units right and then 6 units down. Where does Tess end up?

Answer: **(10, 1)**

5. On a city map, the bakery is at (3, 1) and the museum is at (8, 1). How many units apart are they?

Answer: **5 units**

6. On a map, the school is at (6, 1) and the pool is at (10, 1). How many units apart are they?

Answer: **4 units**

7. On a town map, the library is at (2, 3) and the park is at (2, 7). How many units apart are they?

Answer: **4 units**

8. A toy robot starts at (10, 7). It moves 1 units left and then 2 units down. Where is the robot now?

Answer: **(9, 5)**