Name _____

Graph Points on the Coordinate Plane

Topic 14 Standards

5.G.A.1, 5.G.A.2

See the front of the Student's Edition for complete standards.

Dear Family,

In this topic, your student will plot points in the first quadrant of the coordinate plane by using ordered pairs of numbers, called coordinates. Your student will learn to interpret coordinate values of points in the plane in the context of a real-world problem.

Try this activity with your student to help him or her further develop an understanding of ordered pairs.
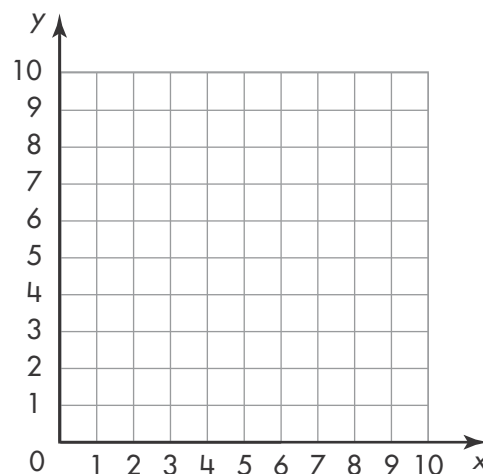

Make a Neighborhood Map

Materials: pencil, coordinate grid

Step 1 Using a coordinate grid, help your child make a simple 10 × 10 map of the neighborhood around your home.

Step 2 Use estimation to help your child place your home and local landmarks on the grid.

Step 3 Ask your child to name the *x* and *y* coordinates of the ordered pair for your home, for example (2, 3). The *x*-coordinate names the distance from the origin (0, 0) along the *x*-axis and the *y*-coordinate names the distance from the origin along the *y*-axis.

Step 4 Pose questions such as: *I am at the bank. What are the coordinates here?* or *I am at the grocery store. How do I walk home?*

Observe Your Child

Focus on Mathematical Practice 5
Use appropriate tools strategically.

Help your child become proficient with Mathematical Practice 5. Plot the location of one of the town landmarks on the grid. Then have your child plot the remaining landmarks and name them using ordered pairs.