

## Vocabulary: City Tour (Coordinates)



### Vocabulary

- Coordinates – a set of numbers that describe where something is located.
- Horizontal axis – a number line going from west to east (left to right).
  - The horizontal axis measures position east or west (right or left) of the origin.
  - The horizontal axis is also called the *x*-axis.
- Ordered pair – the coordinates of a point in the form  $(x, y)$ .
  - The first number in an ordered pair tells you how far the point is east or west (right or left) of the origin. This is also called the *x*-coordinate.
  - The second number in an ordered pair tells you how far the point is north or south of (above or below) the origin. This is also called the *y*-coordinate.
  - In the example to the right, the coordinates of the red point are  $(3, 2)$ . The point is 3 units to the right (east) of the origin, and 2 units above (north of) the origin.
- Origin – the point on a graph where the horizontal axis and the vertical axis intersect.
  - At the origin, the coordinates are  $(0, 0)$ .
- Vertical axis – a number line going from north to south (up and down).
  - The vertical axis measures position north or south of the origin.
  - The vertical axis is also called the *y*-axis.

