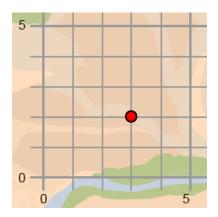
Vocabulary: City Tour (Coordinates)

Vocabulary

Gizmos

- <u>Coordinates</u> a set of numbers that describe where something is located.
- <u>Horizontal axis</u> 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.
- <u>Ordered pair</u> 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.
 - \circ At the origin, the coordinates are (0, 0).
- <u>Vertical axis</u> 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.