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.