Using Coordinate Graphs - Guided Lesson Explanation

Explanation#1

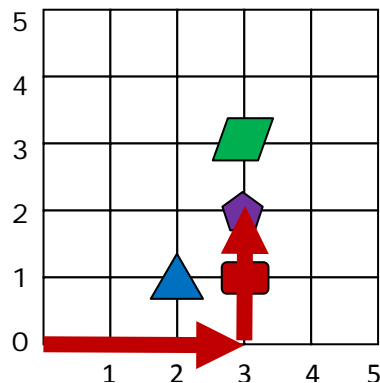Step 1) First we look to see what is being asked of us.

The first coordinate tells you the distance to move to the right.
The second coordinate tells you the distance to move up.

First, count right until you are under the purple rectangle. You counted 3 units right. The first coordinate is 3.

Now, count up until you reach the purple rectangle. You counted 2 units up. The second coordinate is 2.

Write the answer as an ordered pair. The purple pentagon is at (3, 2).
Got it

Explanation#2

An ordered pair (*x*, *y*) tells you the location of a point on the coordinate plane.

The *x*-coordinate tells the horizontal position (left-right).

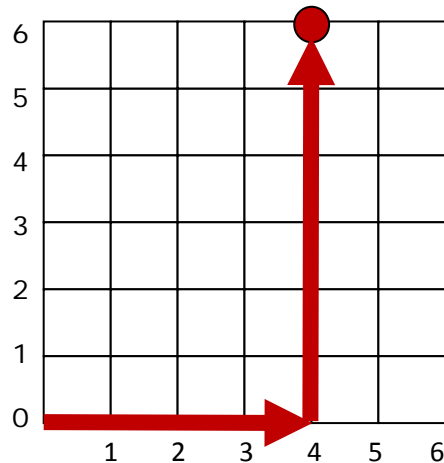The *y*-coordinate tells the vertical position (up-down).

To graph the point (4, 6).

Start at (0, 0), which is the point where the axes meet.
Move 4 units right and 6 units up.

Explanation#3

We now introduce the full coordinate plane. This is composed of both positive and negative numbers.

Positive numbers – move up and to the right.

Negative numbers – move down and to the left.

(3.5, - 0.5)

First we start at (0, 0), which is the point where the axis intersect.

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The first coordinate tells us that the distance right or left.

Count 3.5 units right (because it is positive).

The second coordinate tells us that the distance up or down.

 Count -0.5 units down (because it is negative).

And the rhombus is the right shape.