Lesson 7
I Can Graph on the Coordinate Plane

To graph an ordered pair draw a dot at the point that corresponds to the coordinates.

Example 1
Graph Point $B$ at $(5, 4)$.

Step 1 Start at the ______________. The $x$-coordinate is 5, so move 5 units to the ______________

Step 2 Since the $y$-coordinate is 4, move 4 units ______________

Step 3 Draw a dot. Label the dot $B$.

Example 2
Graph Point $C$ at $(-3 \frac{1}{2}, -1)$.
Exercises
Graph and label each point on the coordinate plane below.

1. \( C(-2, -2) \)
2. \( D(2, -2) \)
3. \( E(4, -3) \)
4. \( F(-5, -4) \)
5. \( G(-4, 1) \)
6. \( H(2, 0) \)
7. \( I(4, 2) \)
8. \( J(-1, 2) \)

9. On the coordinate plane, draw triangle \( ABC \) with vertices \( A(-3,3), B(-3,-3), C(1,-3) \). Find the area of the triangle in square units.
Lesson 7 Homework Practice

Graph on the Coordinate Plane

Graph and label each point on the coordinate plane.

1. \(L(-2, 0)\)  
2. \(M(5, 2)\)
3. \(N(-4, -3)\)  
4. \(P(1, -1)\)
5. \(Q(0, -4)\)  
6. \(R(3, -3)\)
7. \(D(-1, -3)\)  
8. \(A(4, 0)\)

9. On the coordinate plane, draw rectangle \(WXYZ\) with vertices \(W(-1, 4), X(-1, 1), Y(5, 1),\) and \(Z(5, 4)\). Find the perimeter of the rectangle.  
   (Hint: Add up all the sides for Perimeter)
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I Can Graph on the Coordinate Plane

To graph an ordered pair draw a dot at the point that corresponds to the coordinates.

Example 1
Graph Point $B$ at $(5, 4)$.

Step 1 Start at the origin. The $x$-coordinate is 5, so move 5 units to the right.

Step 2 Since the $y$-coordinate is 4, move 4 units up.

Step 3 Draw a dot. Label the dot $B$.

Example 2
Graph Point $C$ at $(-3 \frac{1}{2}, -1)$.

Step 1 Use the coordinate plane shown above. Start at the origin. The $x$-coordinate is $-3 \frac{1}{2}$, so move $3 \frac{1}{2}$ units to the left.

Step 2 Since the $y$-coordinate is $-1$, move 1 unit down.

Step 3 Draw a dot. Label the dot $C$.

Graph and label each point using the coordinate plane at the right.

9. $R \left(-2 \frac{1}{2}, 3\right)$
10. $P \left(3, -2 \frac{1}{2}\right)$

11. $Z \left(-1, \frac{1}{2}\right)$
12. $B \left(-3, -4 \frac{1}{2}\right)$

13. $S \left(4 \frac{1}{2}, 1 \frac{1}{2}\right)$
14. $M \left(1 \frac{1}{2}, -3 \frac{1}{2}\right)$