



Graphing Points in Coordinate Plane

Today's Standard

6.NS.C8 - Solve real-world and mathematical problems by graphing points in all four quadrants of the coordinate plane. Include use of coordinates and absolute value to find distances between points with the same first coordinate or the same second coordinate.

| Cues | Notes |
|----------------------|-----------------------------------------------------------------------------------|
| Coordinate plane | The coordinate plane is divided into four quadrants by the x- and y-axes. |
| Quadrants | Points are plotted using ordered pairs (x, y) . |
| Ordered pairs | The order of coordinates is crucial for correct placement. |
| Absolute value | Absolute value represents the distance from zero. |
| Distance calculation | Distances between points can be calculated using coordinates and absolute values. |

Summary

Understanding how to plot points and calculate distances on the coordinate plane is essential for solving real-world and mathematical problems. Mastery of this standard prepares students for more advanced geometric and algebraic concepts.