



Solving Angle Equations

Today's Standard

7.G.B5 - Use facts about supplementary, complementary, vertical, and adjacent angles in a multi-step problem to write and solve simple equations for an unknown angle in a figure.

Cues	Notes
Supplementary angles	Supplementary angles add up to 180 degrees.
Complementary angles	Complementary angles add up to 90 degrees.
Vertical angles	Vertical angles are opposite each other and are equal.
Adjacent angles	Adjacent angles share a common side and vertex.
Unknown angle	To find an unknown angle, set up an equation based on known angle relationships.
Equation solving	Solve the equation to find the value of the unknown angle.

Summary

This standard involves using knowledge of various angle types to solve for unknown angles in geometric figures by setting up and solving equations.