

TEKS Cluster: Geometry and Measurement

TEKS Subcluster: Angle Relationships

Student Expectations: 7.11(C)

Activities Summary: Students write and solve equations about angle relationships, providing an opportunity to review solving two-step equations.

Note: The activities in this subcluster include these angle relationships:

- The sum of the measures of the angles of a triangle
- Writing equations given angle measures
- Straight and supplementary angles
- Complementary angles
- Adjacent angles
- Vertical angles
- Angles in Isosceles and equilateral triangles

Activity Title Student Expectations	Activity Topic	Type			Delivery		
		new learning	intervention	practice	teacher-facilitated	small groups	stations
<b>Angle Relationships</b> 7.11(C)	<b>Solve Equations Using Angle Measurements</b> Students determine equality from a diagram, write an equation, solve it, and find the measures of the angle. The problems include the angles in triangle, vertical, complementary, supplementary, and adjacent angles.	✓	✓		✓		
<b>What's My Angle?</b> 7.11(C)	<b>Solve Equations Using Angle Measurements</b> Students match diagrams and equations, solve the equations, and find the matching solution. The problems include angles in an isosceles triangle, vertical, supplementary, and complementary angles, the angles in a triangle.		✓	✓		✓	