

TEKS Cluster: Geometry and Measurement
 TEKS Subcluster: Triangles
 Student Expectations: 6.8(A)
 Activities Summary: Students explore the relationships within triangles:

- The sum of the angles of a triangle
- The relationship between the angles and sides of a triangle
- The relationship between the lengths of the sides of a triangle

Activity Title Student Expectations	Activity Topic	Type			Delivery		
		new learning	intervention	practice	teacher-facilitated	small groups	stations
What's the Sum? 6.8(A)	Sum of the Angles of a Triangle Students perform a hands-on experiment to discover that the angles of a triangle add to 180° . They find the missing measures of angles of triangles and choose angle measures that could form a triangle.	✓	✓		✓		
Triangle Relationships 6.8(A)	Relationship Between Angles and Sides of Triangles Students choose a triangle that matches the given attributes and justify their choice.	✓	✓		✓		
Is It or Isn't It? 6.8(A)	Relationship Between the Lengths of the Sides of a Triangle Students use concrete models to determine if lengths could form a triangle and tell why or why not.	✓	✓		✓		