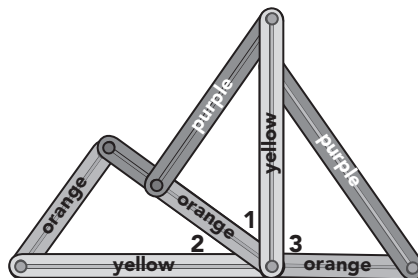
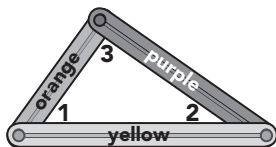


Use AngLegs to model the triangle three times. Assemble the triangles as shown. Find the sum of the angles of the triangle. Explain your answer.

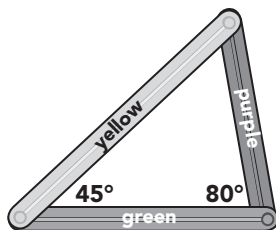
1.



$m\angle 1 + m\angle 2 + m\angle 3 =$ _____

Using AngLegs, model three triangles that match the given triangle. Assemble the triangles to form a straight line. Sketch the model. Find the measure of the unknown angle.

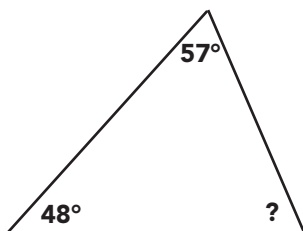
2.



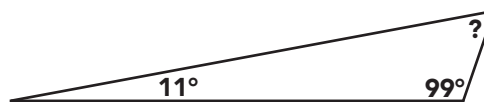
missing angle = _____

Find the measure of each unknown angle.

3.



4.



Find the measure of the third angle for a triangle having each of the given measures.

5. $58^\circ, 39^\circ$ _____

6. $33^\circ, 35^\circ$ _____

7. $106^\circ, 22^\circ$ _____

8. $90^\circ, 45^\circ$ _____

