Finding Pattern-Block Measures
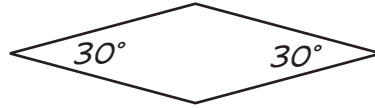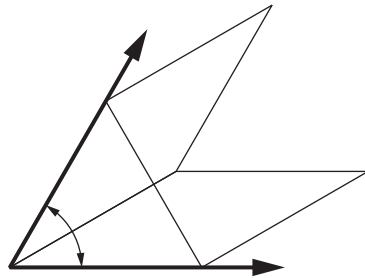
Molly is using pattern blocks to find angle measures of other pattern blocks. She knows that the measure of the small angle of a white rhombus is 30°.
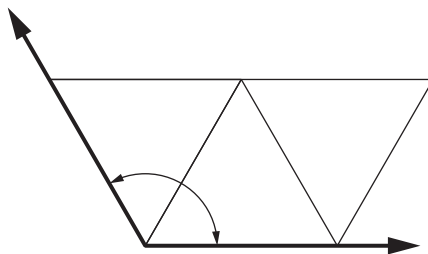

30°   30°

(1) Molly fills an angle of the green triangle with the small angles of white rhombuses. What is the measure of the triangle's angle? Explain how you know.

Angle measure: _____°

(2) Molly fills a red trapezoid's large angle with angles of the green triangle. What is the measure of the red trapezoid's large angle? Explain how you know.

Angle measure: _____°

Practice

(3) 5,588 ∗ 3 = _____

(4) 9,037 ∗ 5 = _____

(5) 52 ∗ 94 = _____

(6) 83 ∗ 77 = _____