

Math Activity: Angles and Angle Measures

Pick 1 of the 2 following activities to complete with a partner.

1. Consider the set of pattern blocks. The orange one has a square surface. Knowing that each angle is therefore 90 degrees, determine the size of the angles in three surface polygons of the pattern blocks, without using a protractor. Record your thinking for each pattern block. After you have found the degrees in each angle, consider the sum of those angles for each shape.
What do you notice?
2. The green pattern block has three angles each of 60 degrees, resulting in the total for that triangle of 180 degrees. Draw triangles that do not have all three sides of equal length, measure the angles, and determine the sum of the interior angles.