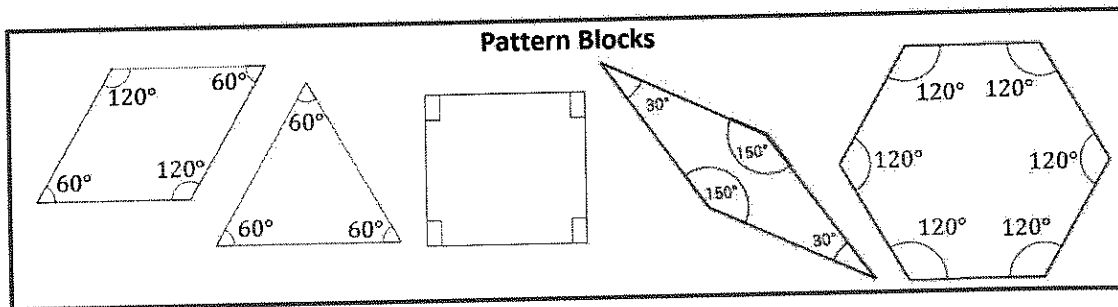


G4-M4-Lesson 9

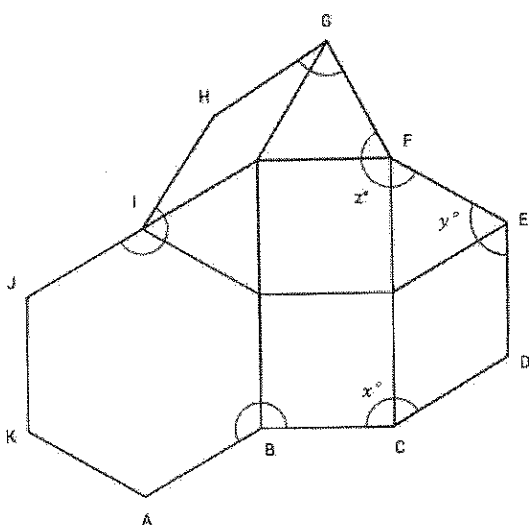


1. Sketch one way to compose $\angle ABC$ using two or more pattern blocks. Write an addition sentence to show how you composed the given angle.

$\angle ABC = 150^\circ$

$150^\circ = 60^\circ + 90^\circ$

2. Sabrina built the following shape with her pattern blocks. As indicated by their arcs, solve for x° , y° , and z° . Write an addition sentence for each. The first one is done for you.



- a. $y^\circ = 60^\circ + 60^\circ$
 $y^\circ = 120^\circ$
 b. $z^\circ = 60^\circ + 90^\circ + 60^\circ$
 $z^\circ = 210^\circ$
 c. $x^\circ = 90^\circ + 60^\circ$
 $x^\circ = 150^\circ$

To determine x° , y° , and z° , I add together the smaller angles encompassed by the arcs. I use the chart at the top of the page to determine the measure of each of the smaller angles.