

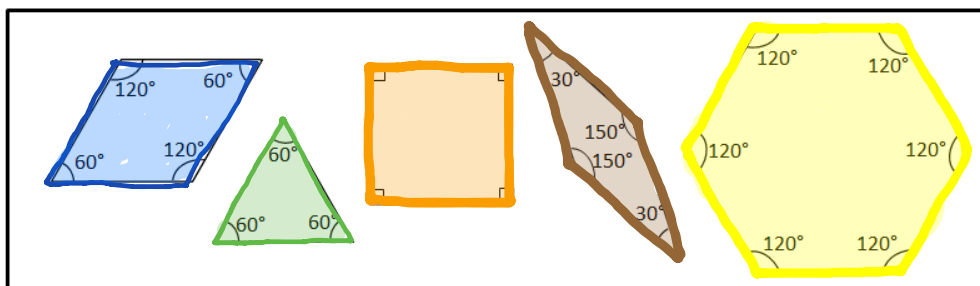
NOTE: Answers will vary.

Name _____

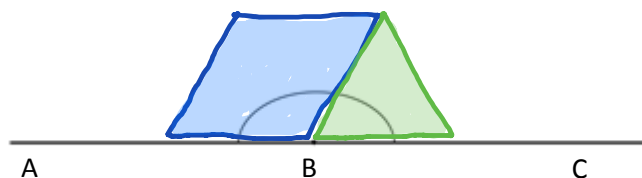
Date _____

Sketch two different ways to compose the given angles using two or more pattern blocks.

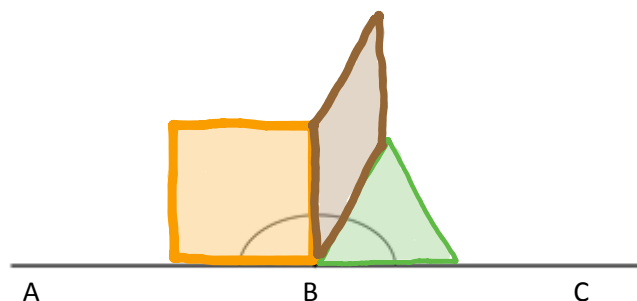
Write an addition sentence to show how you composed the given angle.



1. ABC is a straight line.

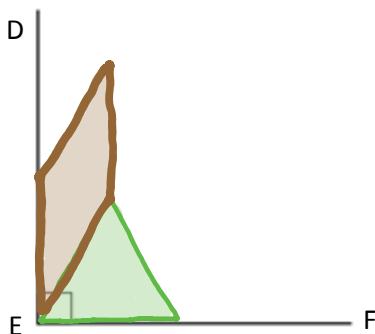


$$180^\circ = 120^\circ + 60^\circ$$

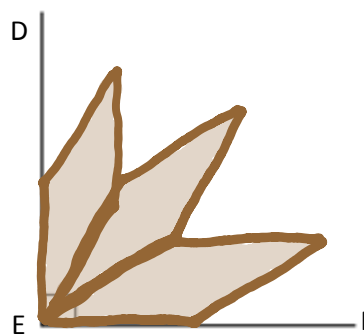


$$180^\circ = 90^\circ + 30^\circ + 60^\circ$$

2. $\angle DEF = 90^\circ$

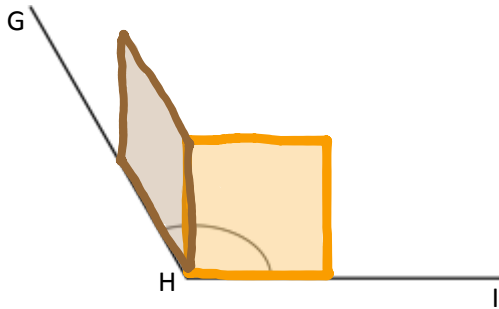


$$90^\circ = 30^\circ + 60^\circ$$

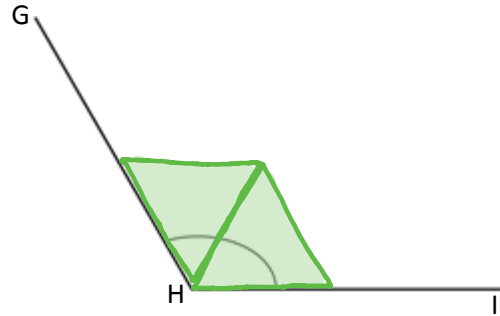


$$90^\circ = 30^\circ + 30^\circ + 30^\circ$$

3. $\angle GHI = 120^\circ$

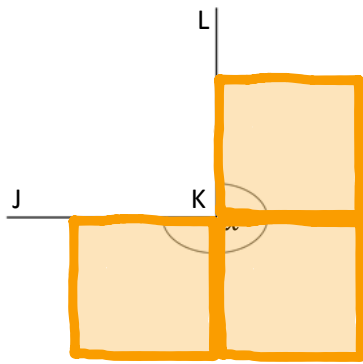


$$120^\circ = 30^\circ + 90^\circ$$

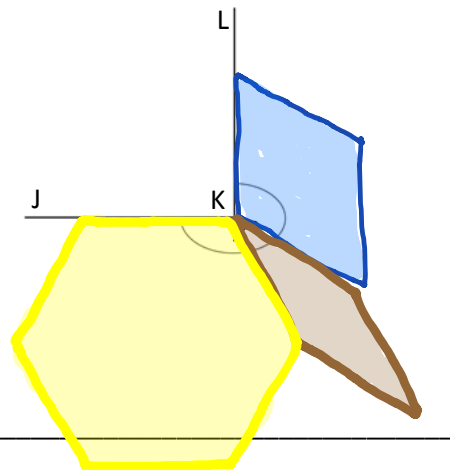


$$120^\circ = 60^\circ + 60^\circ$$

4. $x^\circ = 270^\circ$

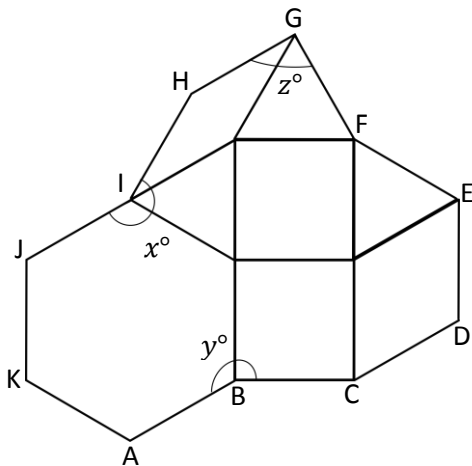


$$270^\circ = 90^\circ + 90^\circ + 90^\circ$$



$$270^\circ = 120^\circ + 30^\circ + 120^\circ$$

5. Micah built the following shape with his pattern blocks. Write an addition sentence for each angle indicated by an arc and solve. The first one is done for you as an example.



a. $y^\circ = 120^\circ + 90^\circ$

$$y^\circ = 210^\circ$$

b. $z^\circ = 30^\circ + 60^\circ$

$$z^\circ = 90^\circ$$

c. $x^\circ = 120^\circ + 60^\circ + 30^\circ$

$$x^\circ = 210^\circ$$