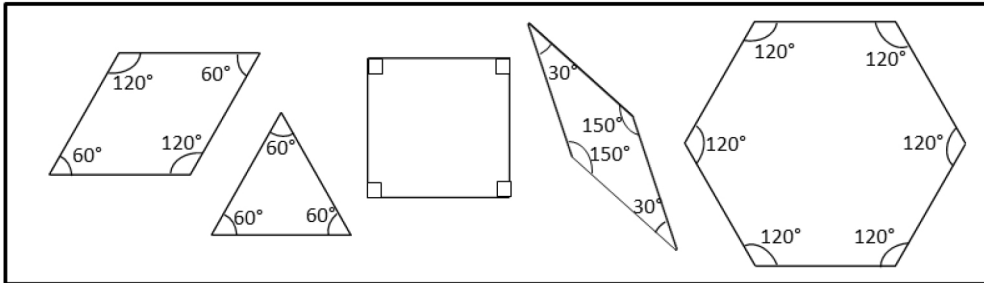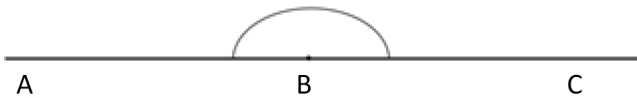Name _____   Date _____

Sketch two different ways to compose the given angles using two or more pattern blocks.
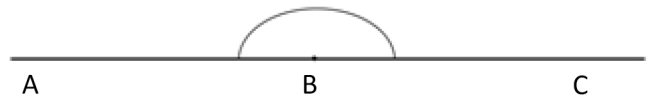
Write an addition sentence to show how you composed the given angle.
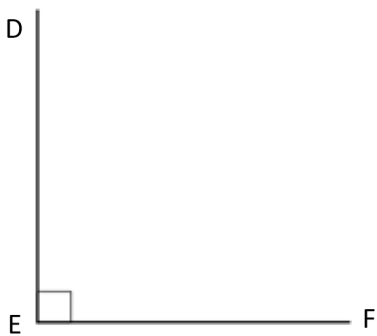

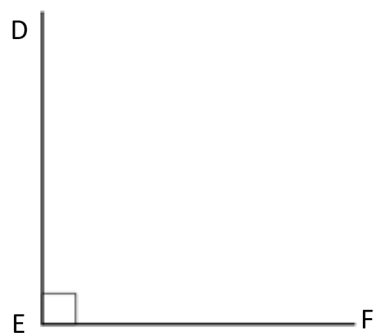1. Points A, B, and C form a straight line.
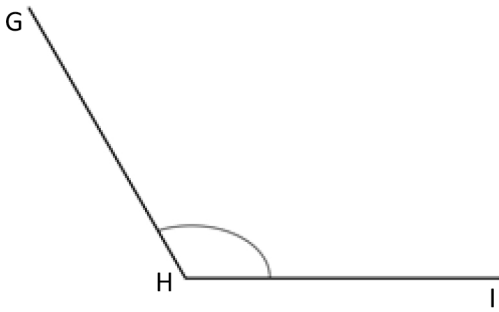

180° = _____   180° = _____

2. $\angle DEF$ = 90°

90° = _____   90° = _____

3. $\angle GHI = 120°$

120° = _____
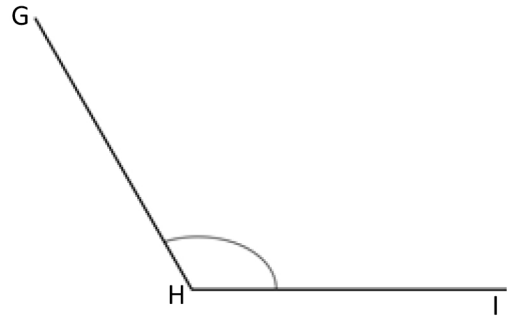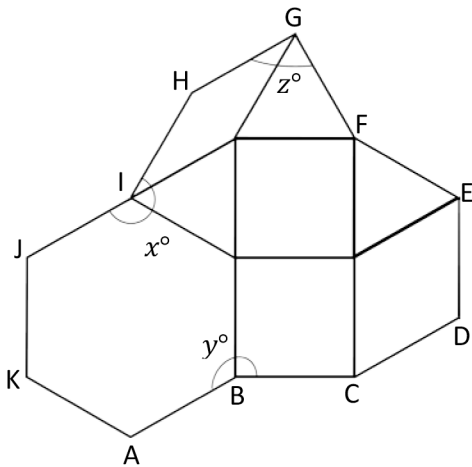

120° = _____

4. $x° = 270°$
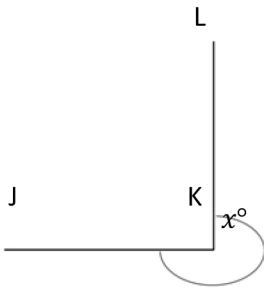
270° = _____
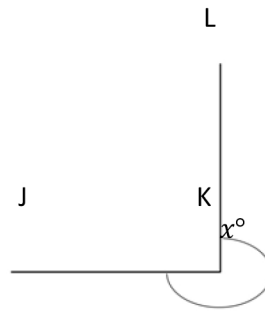
270° = _____

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.

a. $y° = 120° + 90°$

$y° = 210°$

b. $z° = $ _____

$z° = $ _____

c. $x° = $ _____

$x° = $ _____

Answer Key

1. Answers will vary.

2. Answers will vary.

3. Answers will vary.

4. Answers will vary.

5. a. Answer provided

    b. 30° + 60°; 90°

    c. 120° + 60° + 30°; 210°