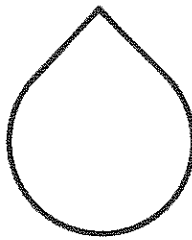


G3-M7-Lesson 16

1. Alicia draws the shape below.



I know shapes that don't have straight lines, like circles, still have a perimeter. But I can't just use rulers to find their perimeters. I can estimate by using a string to represent the perimeter and then measure the string.

- a. Explain how Alicia could use string and a ruler to find the shape's perimeter.

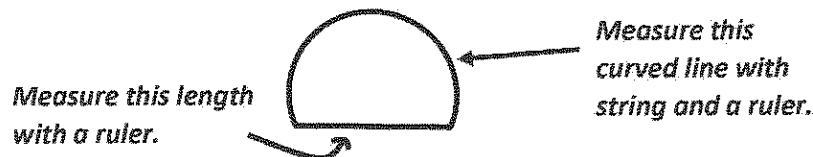
Alicia can wrap string around the boundary of her shape. Then, she can mark where the string meets the end after going all the way around once. Finally, she can use a ruler to measure from the end of the string to the mark.

I know this method does not give me an exact perimeter since I am using string. It is a close estimate.

- b. Would you use this method to find the perimeter of a rectangle? Explain why or why not.

I would not use this method to find the perimeter of a rectangle. Using string is not as efficient or as precise as measuring the sides of a rectangle with a ruler and then adding the side lengths together.

2. Can you find the perimeter of the shape below using just your ruler? Explain your answer.



No, I can't find the perimeter of the shape using just my ruler. The boundary of the shape has a curved line, and I can't measure curved lines with just a ruler. I can measure the straight side length with a ruler and use string to measure the curved line. Then, I can add the two measurements together to find the perimeter.