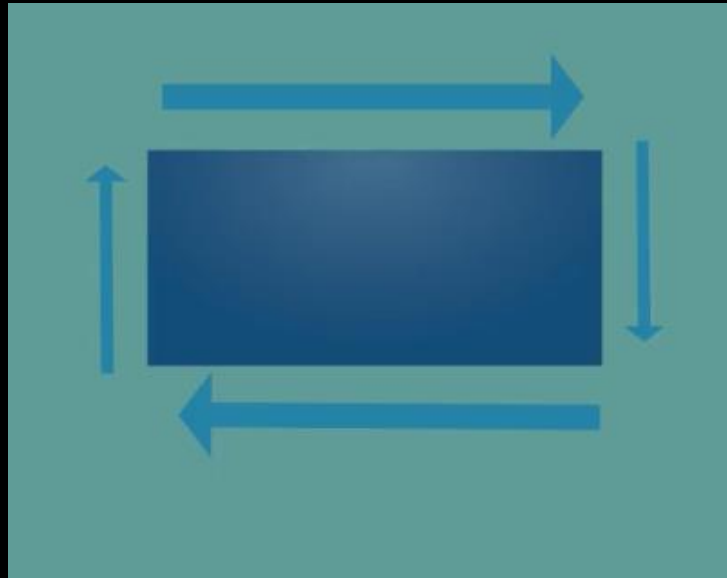


Perimeter

Formula

Perimeter

Is the distance **AROUND**
an object



Perimeter

If you started at one point and went all the way around until you got to where you started, the perimeter is the total distance you have gone.



Perimeter

The perimeter of a polygon is the sum of all the sides

What does that mean??



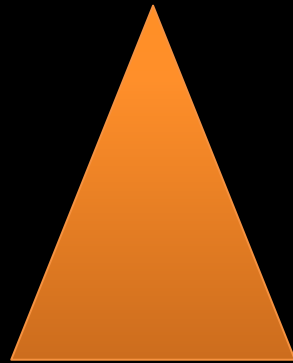
Perimeter

Polygon

Is a shape

Made of straight lines

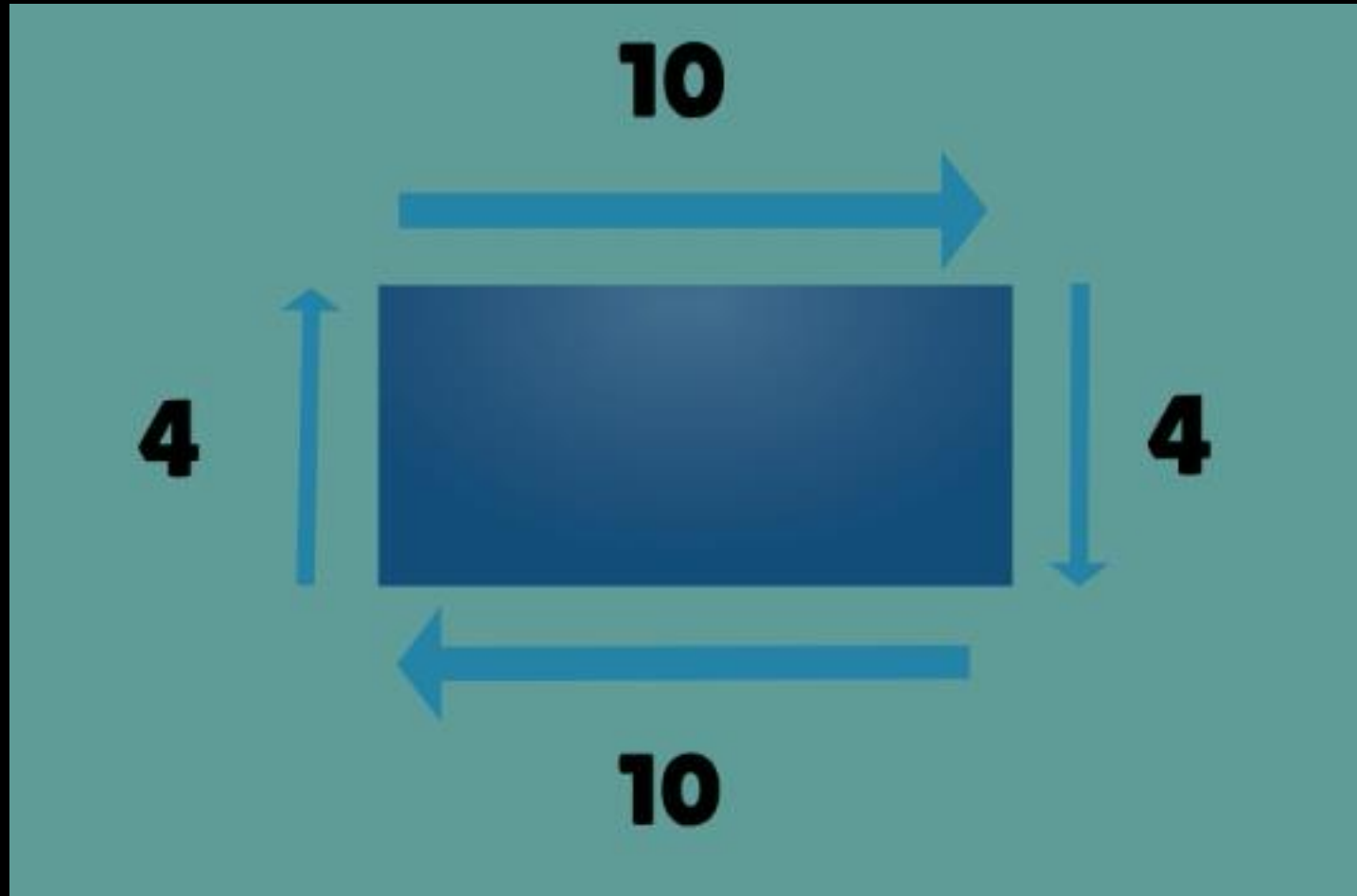
That is closed



These are **NOT** polygons

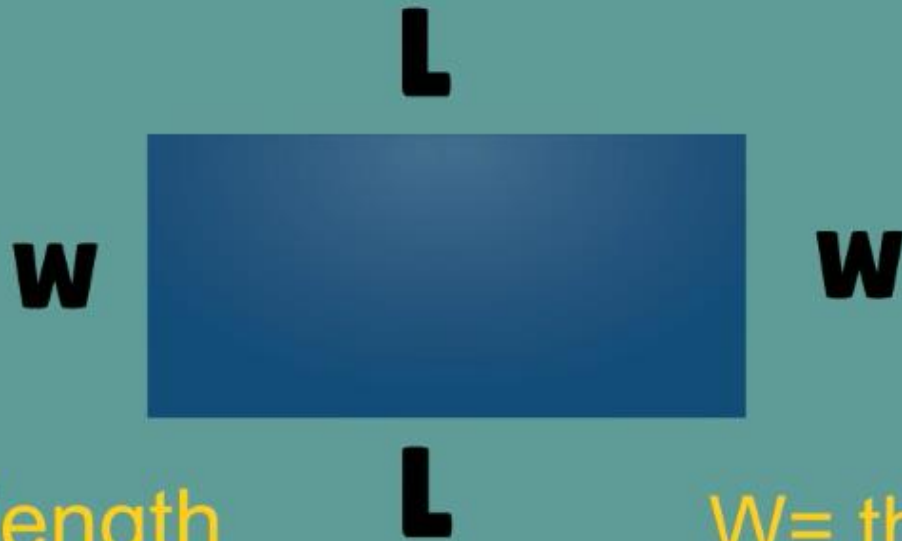


Let's say you have a polygon that is 10 inches long and 4 inches wide



$$10 + 4 + 10 + 4 = 28$$

Perimeter of a Rectangle



L= the length

W= the width

Perimeter of a Rectangle

$$\text{Perimeter} = L + W + L + W$$

$$\text{Perimeter} = 2 \times L + 2 \times W$$

$$\text{Perimeter} = 2L + 2W$$

Perimeters of other shapes

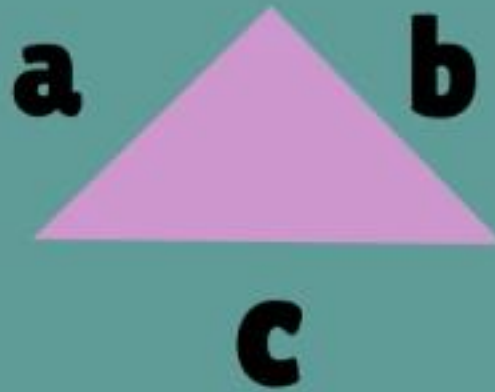
For a triangle- you add up the length of every side



$$9 + 11 + 9 = 29$$

Perimeters of other shapes

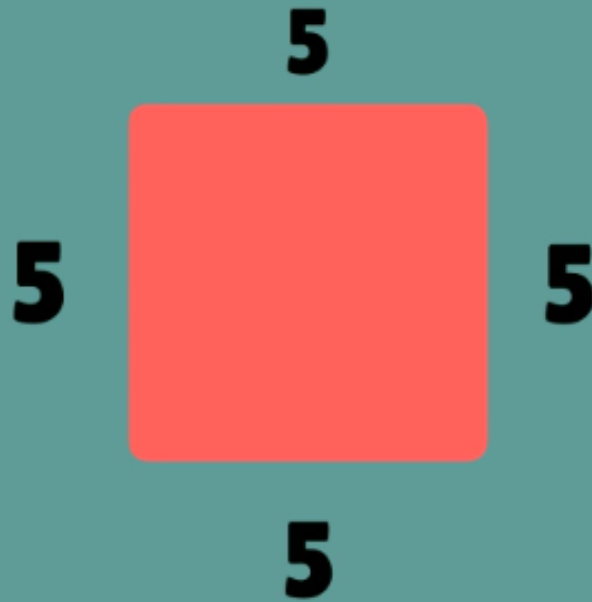
If you called each length of each side a, b, and c



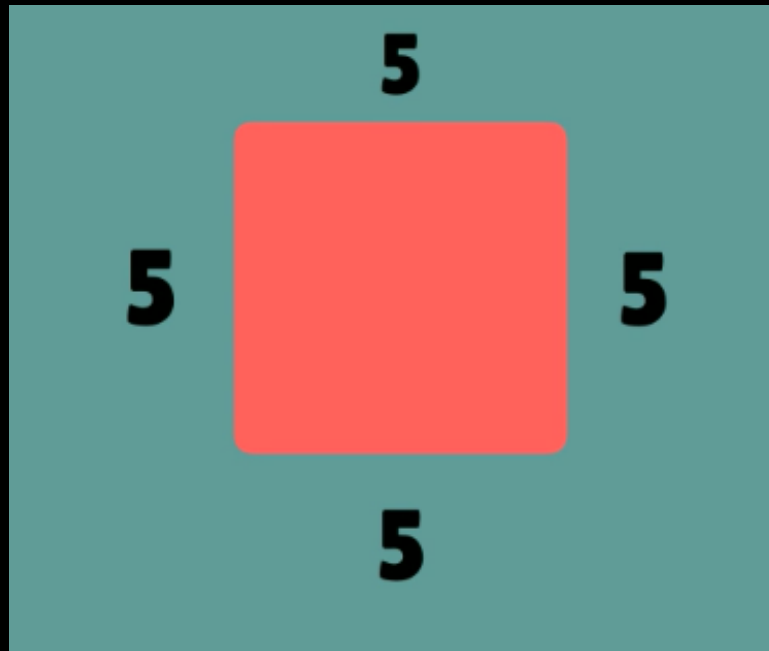
$$a + b + c = \text{perimeter}$$

Perimeters of other shapes

Squares- all 4 sides of a square equal the same length.



Perimeters of other shapes



Perimeter of a square = $4 \times$ length of the side

$$\text{Perimeter} = 4 \times 5 = 20$$