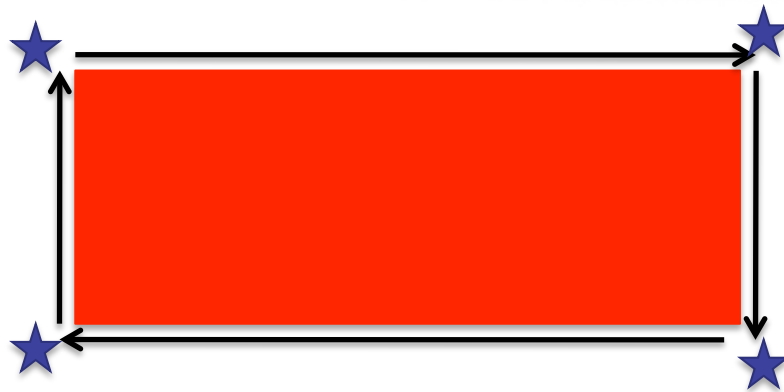


Perimeter

is the distance around
an object



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



What does THAT mean?

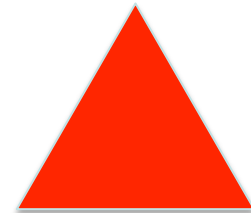
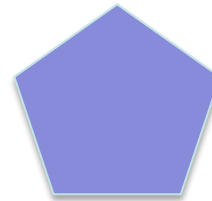
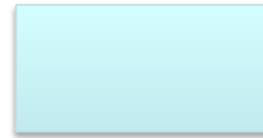
The perimeter of a polygon is the sum of all of the sides



Polygon

- Is a shape
- Made of straight lines
- That is closed

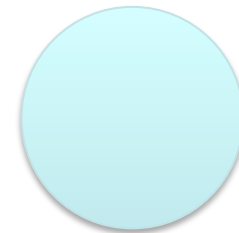
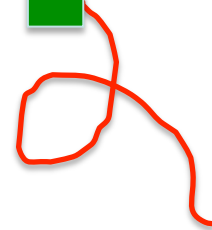
Polygons



Polygon

- Is a shape
- Made of straight lines
- That is closed

These are NOT
Polygons



A rectangle is definitely a polygon.

Let's say we have a rectangle 10 inches LONG and 4 inches WIDE



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



Perimeter of a Rectangle



L stands for the length

W stands for the width



Perimeter of a Rectangle



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

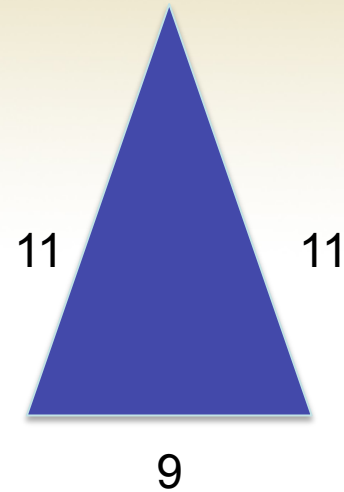
$$\text{Perimeter} = 2 \times L + 2 \times W$$

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



Perimeter of other shapes

For a triangle, add up
the length of each side

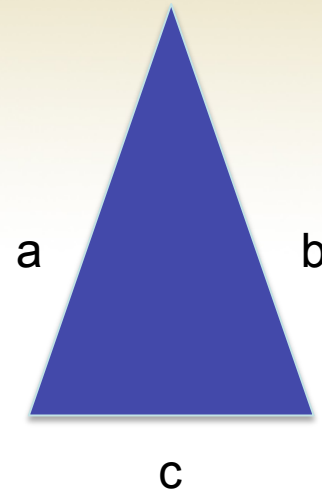


$$11 + 9 + 11 = 31$$



Perimeter of other shapes

For a triangle, add up
the length of each side

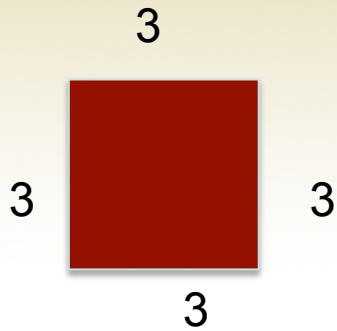


If you called the length of each side a, b and c

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



One more, for now



All 4 sides of a square are the same length so ...

The perimeter of a square = 4 x length of a side

$$\text{Perimeter} = 4 \times 3 = 12$$

