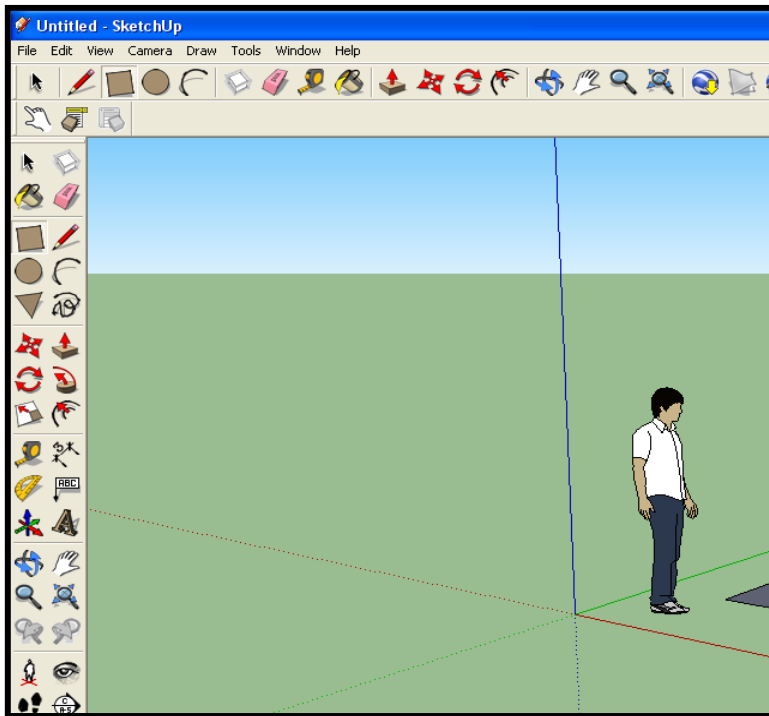


Calculate Perimeter & Area – 2D Polygon

- (5.10B) Connect models for perimeter, area, and volume with their respective formulas
- (4.11A) Estimate and use measurement tools to determine length (including perimeter), area, capacity and weight/mass using standard units SI (metric) and customary;
- (3.11B) Use standard units to find the perimeter of a shape;



1. Click on the square/rectangle tool.

Your mouse will turn into a pencil.

Click, hold down your mouse and draw a rectangle.

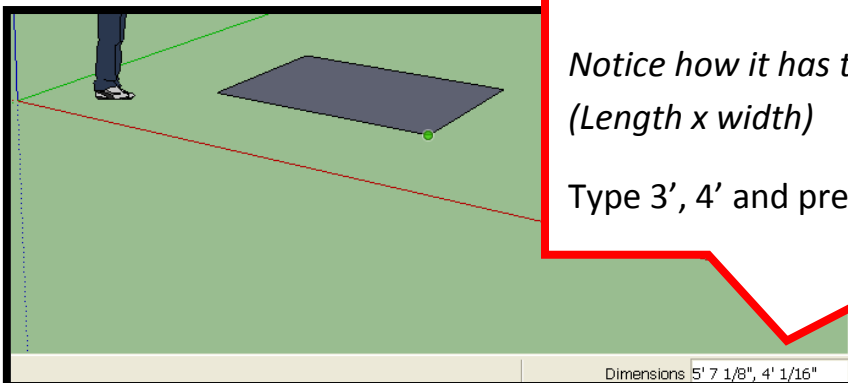
Notice if you draw it near an axis line, it draws your shape parallel to that axis line.

Locate the dimensions box at the bottom right of your screen

Hint: *If you don't see it, make sure you maximize your window.*

Notice how it has the dimension of the object you just drew. (Length x width)

Type 3', 4' and press the **Enter** Key



Notice how the dimensions measurement changes to 3', 4'

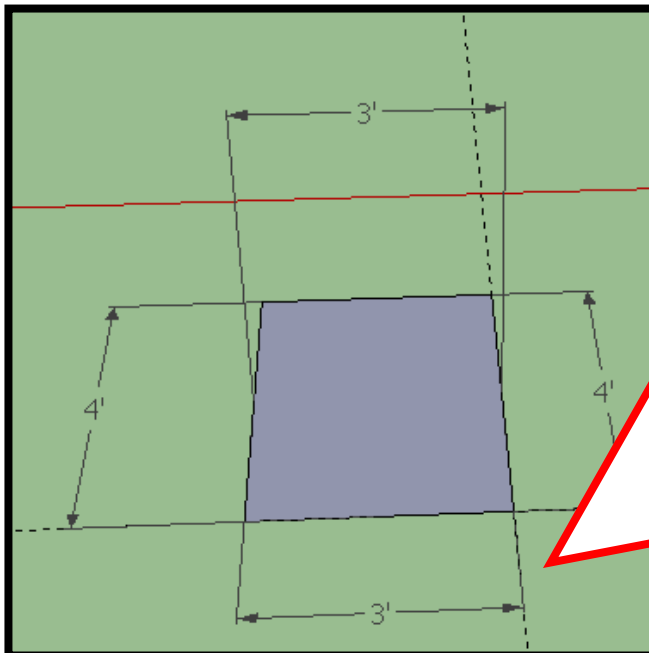
Also notice how your rectangle changes to a 3', 4'

Which means is it 3 feet long by 4 feet wide.



You can click on the measurement tape and measure from one endpoint to another on each side.

Or you can use the 3D measuring tool.



Let's measure just to make sure.



Click on the 3D dimension measuring tool

Measure the length. Click on the midpoint of the top line to the midpoint of the bottom line. Then drag the measurement to the top of the shape. Repeat with all 4 sides.

What is the perimeter? Hint: Add all 4 sides together.

Or use the formula: $2L + 2W = \text{Perimeter}$

What is the area? Multiply the length by the height.