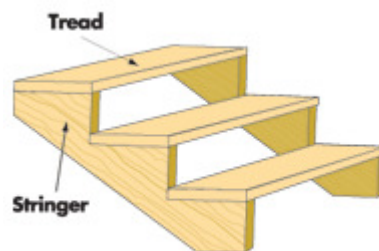




Name: _____ Date: _____ Per: _____

Activity 1.2: Stair Stringer Design

Directions: Make a scale drawing of a deck similar to the drawing below for a deck height of 44 inches. Use a scale of $1/8'' = 1''$ (this means all measurements will be divided by 8 so that it will fit on a normal piece of paper. Your design will have fewer rises than the 9 that the sample picture shows. The rise must be designed to be near the ideal rise of 7 inches and must be calculated so that each rise is the same height to avoid being a trip hazard. The run can be any size greater than or equal to 9 inches (10 or 11 being the most common).



Helpful hints:

1. Notice there are a lot of 90° angles in the picture. Use a right angle tool to help draw these.
2. When dividing your measurements by 8 you will need to round the decimals to fractions accurate to the nearest 16^{th} of an inch so that you can use a ruler to measure them.
3. Any measurements on the drawing that you are not given or did not calculate can be estimated as you like.

