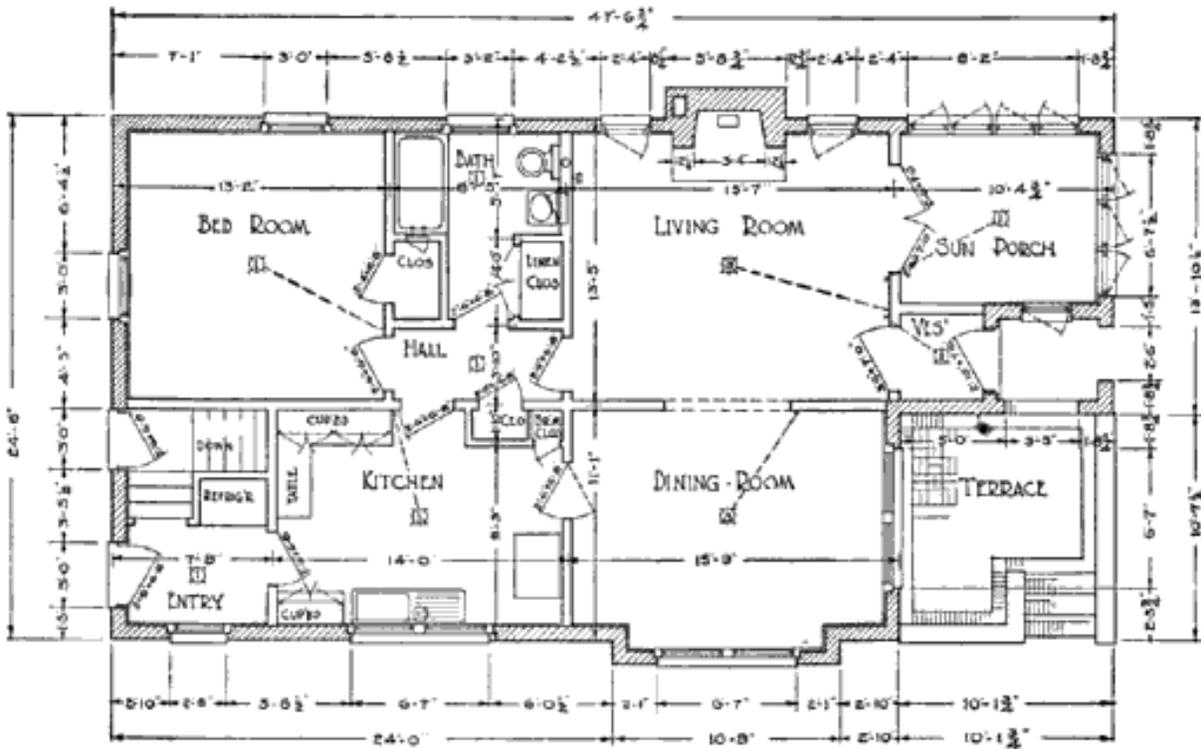


Making A Scaled Floor Plan Drawing



FIRST FLOOR PLAN
SCALE $\frac{1}{4}'' = 1'-0''$

Learning Target:

I can create a scale drawing floor plan of a room in my home from a sketch with measurements.

Materials:

- Sketch with measurements
- Graph paper with $\frac{1}{4}''$ grid (See Link below to download and print if you don't have any)
- Pencil
- Red pen
- Ruler
- Calculator

Activity:

In this activity you will create a scaled floor plan drawing from your room sketch. The scale for your drawing will be $1'' = 1'$ ($'' =$ inches, $' =$ feet). You will be using $\frac{1}{4}''$ grid paper, so each square will equal $3''$ in real life.

1. You will begin by calculating how long each wall will be in graph paper squares. Start by taking the longest wall of your bedroom on your sketch and **divide the length by 3**. This will give you the number of squares long this wall will be on the graph paper. Write the scaled length in **red** next to the actual length in inches on your scaled drawing.
2. Repeat **step 1** for all your measurements, and write them in **red** in the correct locations.
3. Using a ruler, and the measurements that you just calculated, figure out where to place your drawing on the graph paper so that it will be centered on the page. Depending on the size of your room you may need to tape 2 pieces of graph paper together.
4. Once you know where to place your drawing, Start by drawing the longest wall on the paper. *Remember to use your scaled length!* Make sure you put in the windows and/or doors that are on this wall using the correct symbols.
5. Add your tick marks. However, this time make them longer so that all the measurements can be on the outside of the drawing.
6. Complete your scaled floor plan drawing on the graph paper.
7. So people know the scale of your drawing we need to put it on the page. This will help you remember as well. In the lower right-hand corner write the following: **Scale: 1" = 1'** (1 inch = 1 foot).

What Is Due:

Take a picture or scan a completed scaled drawing and upload it on Schoology or email it.