

Floor Plan

Directions:

1. Create a floor plan for a 18 x 20 living room.
2. Begin by sketching a design concept and then transferring the measurements onto the graph paper.
3. Be sure to consider adequate space for furniture and traffic flow.
4. The floor plan must include the following:
 - Drawn to scale (1/4 inch = 1 foot)
 - Drawn and labeled in thick pencil
 - 1/8 inch to 1/4 inch thick walls
 - 3 feet outside door
 - 2 feet 6 inches to 3 feet inside door
 - At least one window (any size)
 - Furniture placement shown and correctly labeled

Information:

- A floor plan is a two dimensional drawing which shows a room as seen from above. Architects and designers use floor plans to indicate what a room or building will look like.
- Floor plans are usually drafted to scale, which means reducing the size of a drawing so the whole room can fit on a piece of paper. A common scale is 1/4 inch = 1 foot. This means if something is drawn 1/4 of an inch on a floor plan, it is 1 foot long in real life or at full scale.
- Floor plans may be drafted by hand using a pencil, an architect's scale ruler and graph paper. The graph paper usually has 1/4 inch boxes to make floor plans easier to draft using the 1/4 inch equals 1 foot scale. The protractor is used to correctly identify room and wall angles.
- In order to create a floor plan, use the graph paper, pencil and a ruler to draw the walls of the room (Use 1/4 inch = 1 foot scale). For example, if the walls are 20 feet long, divide 20 by 4 (which equals 5) and draw a line 5 inches long. You can also count out 20 boxes on 1/4 inch graph paper.