SETTING UP BEFORE THE SQUARE DANCE

John and Linda have decided to have a square dance in their barn. Along the walls inside the barn, they plan to set up a stage for the band, one table for food, and one table for drinks. After those are set up, they are going to put chairs around the outside of the room, so people can rest when they aren’t dancing. How many chairs will John and Linda need to fill up the space around the inside wall of the barn?

Use the facts below to make a diagram (or map) of the barn on a sheet of paper. In your diagram, you should make _ in. = 1 ft. Be sure to label your diagram clearly. You may want to include a symbol key.

- The barn is 14 ft. wide by 20 ft. long.
- At one end of the barn, there are large doors that will be open during the square dance. This opening will be 10 ft. wide.
- The stage for the band is 3 ft. wide by 6 ft. long.
- The table for the food is 2 ft. wide by 5 ft. long.
- The table for the drinks is 2 ft. wide by 3 ft. long.
- The chairs that John and Linda plan to put along the walls will take up 2 ft. each.

Based on your diagram, how many chairs will John and Linda need? __________