**Fractions in Construction**

1) What is the total length of three boards below connected together?

2) You are creating a box and the view from the top of the box is show below; what are the dimensions of the piece of plywood you need to cut for the top of the box?

3) You have a 4-foot long board shown below; what would be the length of the board if you cut of inches off each side?

4) You have a 4-foot long board shown below; how much would you need to cut off the board so that it measures 3 feet inches?

5) The diagram below represents the framing of a wall of a house. If each board is inches wide and needs to be placed 3 feet away, then where do the first three boards need to be placed?

6) What is the total length of a fence that has 28 vertical panels measuring inches wide and 7 posts measuring inches?

7) How many 8 foot and 8 inch horizontal boards are needed for the length of a building that is 120 feet long?