The diagram in Figure 1 appears in the book *Woodworker’s 39 Sure-Fire Projects*. It is the front view of a corner bookcase/desk. Find the height of the bookcase/desk from the floor to the top of the writing surface.

We must add the following measures (in the figure, " means inches):

\[
\frac{3}{4}, \quad 4\frac{1}{2}, \quad 9\frac{1}{2}, \quad \frac{3}{4}, \quad 9\frac{1}{2}, \quad \frac{3}{4}, \quad 4\frac{1}{2}.
\]

We begin by changing \(4\frac{1}{2}\) to \(4\frac{2}{4}\) and \(9\frac{1}{2}\) to \(9\frac{2}{4}\), since the common denominator is 4.