BLM 2: Building a Stage

You have been asked to build a stage for your friend’s band. The total height of the base of the stage is \(9\frac{1}{2}\) units.

The base is made of four layers of materials.

- The top layer is hardwood and measures \(1\frac{3}{16}\) units thick.
- The second layer is plywood and measures \(\frac{5}{8}\) units thick.
- The third layer is a beam and measures \(7\frac{1}{2}\) units thick.
- The fourth layer is underlay and is an unknown thickness.

Note: Diagram not to scale.

How thick is the fourth layer?