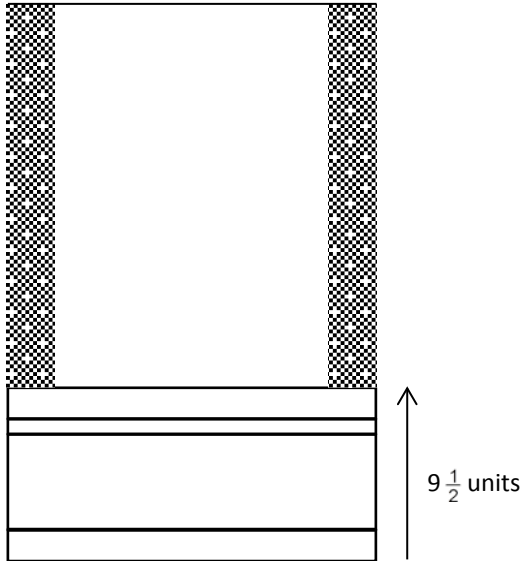


## BLM 2: Building a Stage

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.



Note: Diagram not to scale.

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.

How thick is the fourth layer?