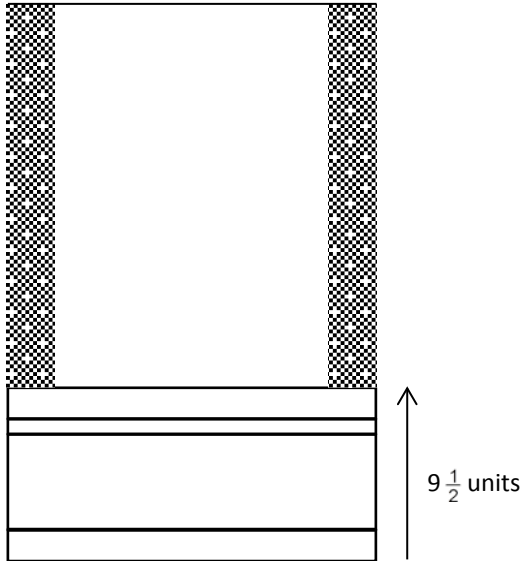# BLM 2: Building a Stage

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.

$9\frac{1}{2}$ 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?