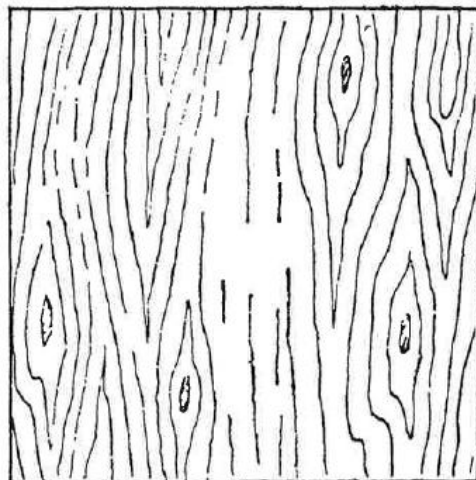




Puzzle provided by Kordemsky: *The Moscow Puzzles* (Dover)

A plywood sheet is 45 by 45 inches. What is the approximate diameter of the log the sheet was made from?

The diameter  $d$  of a circle equals  $c/\pi$ , where  $c$  is the circumference, but please do not make a mistake. The diameter of the log is not  $45/\pi$ .





**Solution: About 10 inches.**

The distance from one knothole to another cut of the same knothole is about two-thirds the width of the whole plywood sheet or 30 inches. The diameter of the log is  $30/\pi =$  about 10 inches.