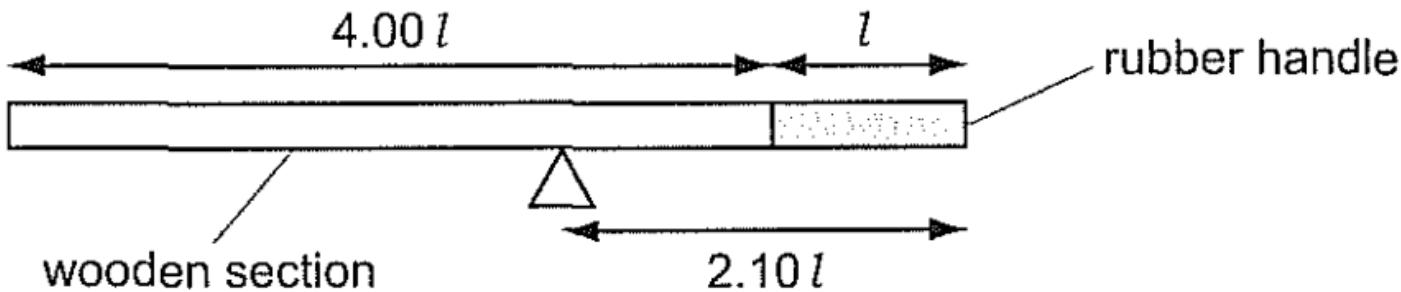


- 8 A uniform rod has a wooden section and a solid rubber handle, as shown.



The length of the handle is l and the length of the wooden section is $4.00l$. The rod balances a distance $2.10l$ from the rubber end.

What is the ratio $\frac{\text{density of rubber}}{\text{density of wood}}$?

A 1.71

B 2.25

C 2.50

D 3.27