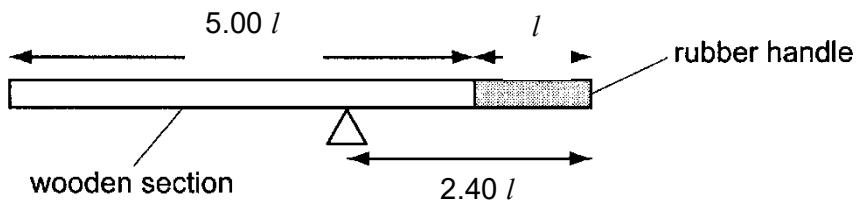


- 7 A uniform rod has a wooden section and a solid rubber handle, as shown.



The length of the handle is l and the length of the wooden section is $5.00 l$. The rod balances a distance $2.40 l$ from the rubber end.

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

A 5.42

B 5.00

C 2.89

D 0.345