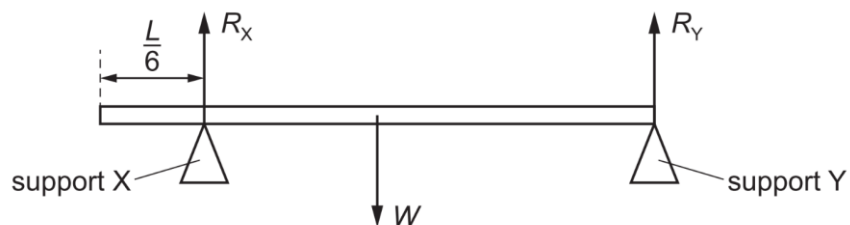


- 8 A uniform bar of length L and weight W rests horizontally on two supports X and Y.



Support X exerts a vertical force R_X from one end of the bar while support Y exerts a vertical force R_Y at the other end of the bar as shown.

The bar is in equilibrium.

What is the ratio $\frac{R_X}{R_Y}$?

A $\frac{3}{2}$

B $\frac{2}{3}$

C $\frac{3}{5}$

D $\frac{2}{5}$