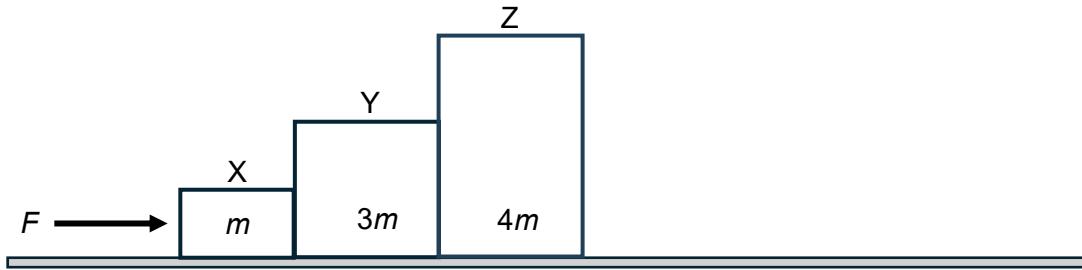


- 4 Three blocks X, Y and Z, of masses m , $3m$ and $4m$ respectively, are accelerated along a smooth horizontal surface by a force F applied to block X as shown.



What is the ratio $\frac{\text{force exerted on block X by block Y}}{\text{force on block Y by block Z}}$?

A $\frac{1}{4}$

B $\frac{3}{8}$

C $\frac{7}{8}$

D $\frac{7}{4}$

