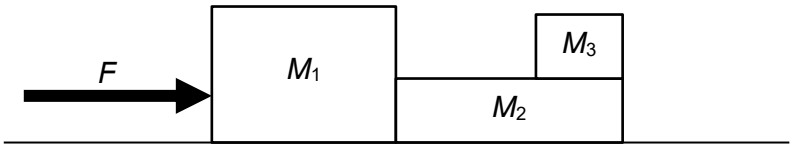
5 A force F acts on a system of masses M_1, M_2 and M_3 on a frictionless floor as shown.



The structure of the system of the masses remains unchanged as it accelerates.

Which of the following gives the magnitude of the frictional force on M_3?

A F

B $F\left(\frac{M_3}{M_2}\right)$

C $F\left(\frac{M_3}{M_1+M_2}\right)$

D $F\left(\frac{M_3}{M_1+M_2+M_3}\right)$