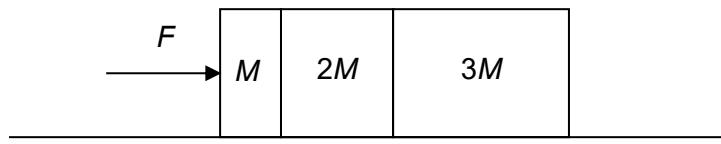


- 5 Three blocks with masses  $M$ ,  $2M$  and  $3M$  are pushed along a rough surface by a horizontal force  $F$  as shown.



The friction between mass  $M$  and the rough surface is  $f$ , and  $f$  is proportional to  $M$ .

What is the magnitude of the force mass  $3M$  exerts on mass  $2M$ ?

A  $\frac{F}{2}$

B  $\frac{F}{2} + 3f$

C  $\frac{F}{3} + f$

D  $\frac{F}{3} + 3f$