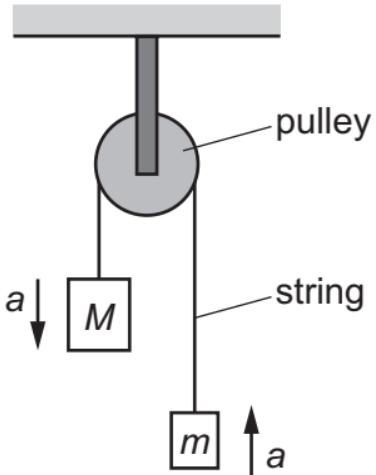


- 10 Two blocks of masses M and m are joined by a thin string which passes over a frictionless pulley, as shown.



The acceleration of free fall is g .

What is the acceleration a of the two blocks?

A $\frac{(M+m)}{(M-m)}g$

B $\frac{(M-m)}{(M+m)}g$

C $\frac{M}{m}g$

D $\frac{m}{M}g$

- 11 The diagram shows a block of mass m on a horizontal surface.