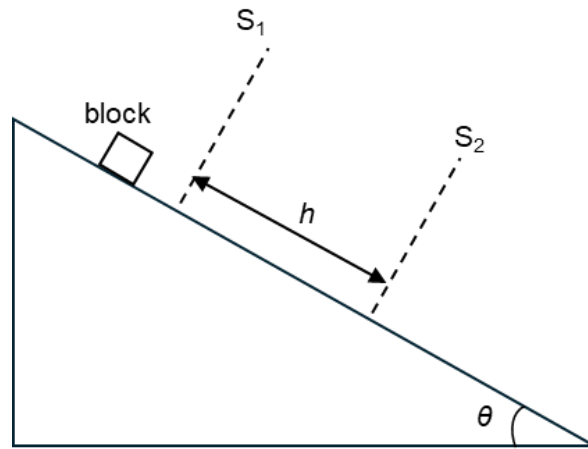3   A block is released from rest down a frictionless inclined plane of angle θ. The block passes two light sensors S_1 and S_2 at time t_1 and t_2 respectively.

What is the acceleration of free fall?

A $\dfrac{2h}{(t_2^2 - t_1^2)}$

B $\dfrac{2h}{(t_2 - t_1)^2}$

C $\dfrac{2h}{(t_2^2 - t_1^2)\cos\theta}$

D $\dfrac{2h}{(t_2^2 - t_1^2)\sin\theta}$