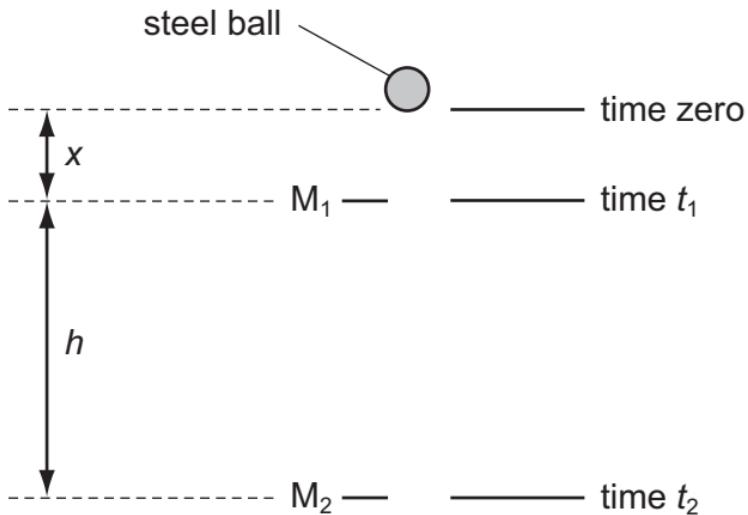


- 8 Two markers M_1 and M_2 are set up a vertical distance h apart.



A steel ball is released at time zero from a point a distance x above M_1 . The ball reaches M_1 at time t_1 and reaches M_2 at time t_2 . The acceleration of the ball is constant.

Which expression gives the acceleration of the ball?

A $\frac{2h}{t_2^2}$

B $\frac{2h}{(t_2+t_1)}$

C $\frac{2h}{(t_2-t_1)^2}$

D $\frac{2h}{(t_2^2-t_1^2)}$

- 9 A brick is dislodged from a building and falls vertically under gravity.