

3. A glider 8 cm long blocks light as it goes through a photocell gate. The glider is released from rest on an inclined air track and the gate is positioned so that the glider has traveled 96 cm when it is in the middle of the gate. The timer gives a reading of 333 ms for the glider to pass through this gate. Friction is negligible. The acceleration of the glider along the track is

A.  $3.0 \text{ cm/s}^2$

B.  $0.12 \text{ cm/s}^2$

C.  $0.25 \text{ cm/s}^2$

D.  $1.5 \text{ cm/s}^2$

E.  $4.3 \text{ cm/s}^2$

F. Not close to any of the above

Ans. \_\_\_\_\_