

Mathematics Questions by Topics

Motion and Force

Question 50

Source: K5SM1Q29

Question 50

A block of mass m kg is lying on a smooth horizontal table and is joined by a light inextensible string to a another block of mass of $2m$ kg hanging vertically. This string passes over a smooth pulley at the edge of the table. When the system is released from rest, the acceleration of the blocks in m/s^2 is given by

- A. $\frac{2}{3}$
- B. $\frac{2g}{3}$
- C. 1
- D. $2g$
- E. g

End of
MATHEMATICS QUESTIONS BY TOPICS
MOTION AND FORCE
50 Multiple Choice Questions