NOVA SCOTIA PHYSICS 11 · UNIT B · 5 QUESTIONS

Forces and Force Vectors, Newtons Laws, Friction and Inclined Planes — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **A physics lab pulley clamped to the edge of a wooden lab table, a rope running over the pulley with a small cylindrical metal mass hanging from it, a wooden block resting on the table connected by the rope, bright daylight, sharp focus, no people, no text. A net force acts on a mass of 4 kilograms giving acceleration 5 metres per second squared. The net force, in newtons, is**



ANSWER

Understand It with Pulse | Flag a mistake

2 **A net force of 60 newtons acts on a mass of 12 kilograms. Its acceleration, in metres per second squared, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **Static friction acts to prevent**

A motion stopping

B gravity

C motion starting

D normal force

Understand It with Pulse | Flag a mistake

4 **A net force acts on a mass of 8 kilograms giving acceleration 2.5 metres per second squared. The net force, in newtons, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **A net force of 45 newtons acts on a mass of 9 kilograms. Its acceleration, in metres per second squared, is**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 20
2. 5
3. C
4. 20
5. 5

© 2026 Brett Robbins. All Rights Reserved.