NOVA SCOTIA PHYSICS 11 · UNIT D · 5 QUESTIONS

Impulse, Momentum and One-Dimensional Collisions — 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. An object of mass 5 kilograms moves at 8 metres per second. Its momentum, in kilogram metres per second, is**



ANSWER

Understand It with Pulse | Flag a mistake

2 **A force of 30 newtons acts for 2 seconds. The impulse, in newton seconds, is**

ANSWER

Understand It with Pulse | Flag a mistake

3 **An object of mass 3 kilograms moves at 6 metres per second. Its momentum, in kilogram metres per second, is**

ANSWER

Understand It with Pulse | Flag a mistake

4 **A force of 25 newtons acts for 4 seconds. The impulse, in newton seconds, is**

ANSWER

Understand It with Pulse | Flag a mistake

5 **An object of mass 6 kilograms moves at 5 metres per second. Its momentum, in kilogram metres per second, is**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 40
2. 60
3. 18
4. 100
5. 30

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