DELAWARE PHYSICS · UNIT 1 · 5 QUESTIONS

Kinematics and Dynamics — 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 person pushes a 10 kilogram medicine ball that then accelerates at 2 meters per second squared. The net force in newtons is**



ANSWER _____

Understand It with Pulse | Flag a mistake

2 **An object travels 120 meters in 4 seconds. Its average speed in meters per second is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **An object speeds up from rest to 40 meters per second in 5 seconds. Its acceleration in meters per second squared is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A mass of 5 kilograms accelerates at 5 meters per second squared. The net force in newtons is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **An object travels 120 meters in 2 seconds. Its average speed in meters per second is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 20
2. 30
3. 8
4. 25
5. 60

© 2026 Brett Robbins. All Rights Reserved.