YUKON PHYSICS 11 (MPH--11) · UNIT B · 5 QUESTIONS

Dynamics: Forces and Motion — 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. Newton second law relates net force, mass, and**



A speed

B acceleration

C distance

D time

Understand It with Pulse | Flag a mistake

2 **A 2 kg puck accelerates at 6 m per s squared. The net force, in newtons, is _____**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A net force of 36 N acts on a 9 kg wagon. The acceleration, in metres per second squared, is _____**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **Force components are 9 N horizontally and 12 N vertically. The magnitude of the force, in newtons, is**

A 9

B 12

C 15

D 21

Understand It with Pulse | Flag a mistake

5 **For most surfaces, the maximum static friction is**

A less than kinetic friction

B equal to kinetic friction

C greater than kinetic friction

D always zero

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. B
2. 12
3. 4
4. C
5. C

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