PRINCE EDWARD ISLAND PHYSICS 11 · UNIT B · 5 QUESTIONS

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 net force acts on a mass of 20 kilograms, giving it an acceleration of 2 metres per second squared. What is the net force in newtons**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A net force of 50 newtons acts on a mass of 10 kilograms. What is the acceleration in metres per second squared**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **Two cyclists riding bicycles on a paved country road in opposite directions, passing each other, both large in frame. Two forces act in opposite directions on an object, with magnitudes 40 newtons and 15 newtons. What is the magnitude of the net force in newtons**



ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A net force acts on a mass of 8 kilograms, giving it an acceleration of 6 metres per second squared. What is the net force in newtons**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **A net force of 60 newtons acts on a mass of 12 kilograms. What is the acceleration in metres per second squared**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 40
2. 5
3. 25
4. 48
5. 5

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