SASKATCHEWAN PHYSICS 30 · UNIT B

Forces and Motion — Practice Test

Saskatchewan Physics 30 • 10 questions

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 mass of 8 kg accelerates at 6 m per second squared. The net force, in newtons, is ____**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A force of 40 N moves an object 15 m. The work done, in joules, is _____**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **An object starts at 5 m per second and accelerates at 4 m per second squared for 2 s. The displacement, in metres, is ____**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A ball covers 60 m in 12 s. The average speed, in metres per second, is _____**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **An object speeds up from 2 m per second to 18 m per second in 8 s. The acceleration, in metres per second squared, is _____**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **A mass of 12 kg accelerates at 5 m per second squared. The net force, in newtons, is _____**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **A force of 25 N moves an object 12 m. The work done, in joules, is _____**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **An object starts at 0 m per second and accelerates at 10 m per second squared for 3 s. The displacement, in metres, is ____**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **A mass of 6 kg accelerates at 7 m per second squared. The net force, in newtons, is ____**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **A train covers 300 m in 30 s. The average speed, in metres per second, is ____**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 48
2. 600
3. 18
4. 5
5. 2
6. 60
7. 300
8. 45
9. 42
10. 10

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