NOVA SCOTIA PHYSICS 11 · UNIT A · 10 QUESTIONS

Displacement, Velocity and Acceleration — 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.

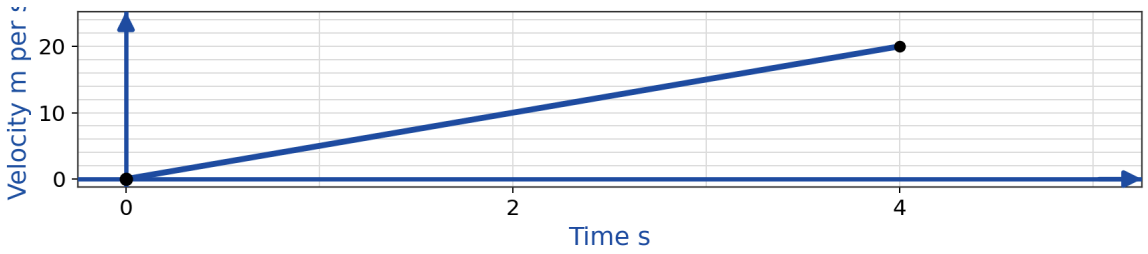
1 **An object travels 180 metres in 9 seconds at constant speed. Its speed, in metres per second, is**



ANSWER

Understand It with Pulse | Flag a mistake

2 **The graph shows velocity against time as a straight line from rest to 20. The displacement from 0 seconds to 4 seconds, in metres, is**



A 40

B 20

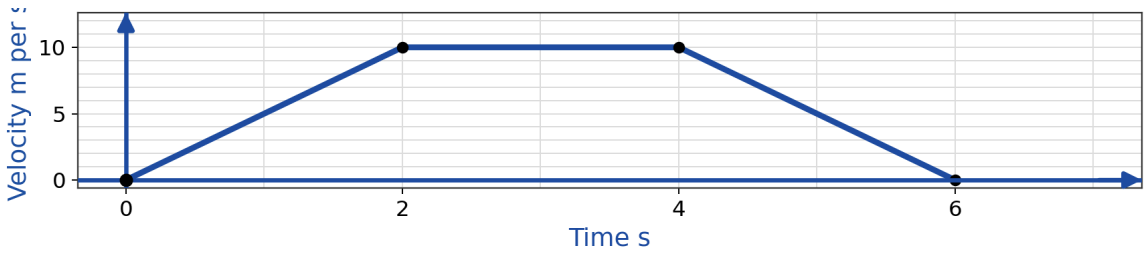
C 80

D 10

Understand It with Pulse

Flag a mistake

3 **The graph shows velocity rising steadily, then staying level, then falling back to zero. The displacement from 0 seconds to 6 seconds, in metres, is**



- **A** 60
- **B** 30
- **C** 40
- **D** 20

Understand It with Pulse | Flag a mistake

4 **The unit of acceleration is**

A metres per second

B metres

C metres per second squared

D newtons

Understand It with Pulse | Flag a mistake

5 **Two objects travel the same distance and one takes less time. That object has the**



A greater average speed

B smaller average speed

C same speed

D zero speed

Understand It with Pulse | Flag a mistake

6 **Use g = 9.8 metres per second squared . An object dropped from rest falls for 3 seconds . Its speed then , in metres per second , is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **Use g = 9.8 metres per second squared . An object dropped from rest falls for 2 seconds . The distance fallen , in metres , is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **Velocity differs from speed because velocity includes**

A mass

B direction

C temperature

D force

Understand It with Pulse | Flag a mistake

9 **An object travels 420 metres in 7 seconds at constant speed. Its speed, in metres per second, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **An object travels 600 metres in 12 seconds at constant speed. Its speed, in metres per second, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 20
2. A
3. C
4. C
5. A
6. 29.4
7. 19.6
8. B
9. 60
10. 50

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