NEWFOUNDLAND AND LABRADOR PHYSICS 2204 · UNIT A

# Kinematics — Practice Test

**Newfoundland and Labrador Physics 2204 • 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 trip covers 150 km in 3 h. The average speed, in kilometres per hour, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **Recall the property . An object is dropped from a height of 19.6 m . Using g = 9.8 m per second squared , the time to fall , in seconds , is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A car slows from 24 m per second to rest in 8 s. The magnitude of its acceleration, in metres per second squared, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **Consider the property in general. On a velocity time graph, the slope gives**

- A acceleration
- B displacement
- C speed only
- D distance

Understand It with Pulse | Flag a mistake

5 **An object travels 150 m in 30 s at constant speed. Its speed, in metres per second, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **An object moves at 20 m per second for 3 s. The distance travelled, in metres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **An object accelerates from rest to 25 m per second in 5 s. Its acceleration, in metres per second squared, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **An object starts at 5 m per second and accelerates at 2 m per second squared for 4 s. Its final speed, in metres per second, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **An object starts from rest and accelerates at 2 m per second squared for 5 s. Its displacement, in metres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **Review the statement. Velocity differs from speed because velocity includes**

A mass

B time only

C direction

D acceleration only

Understand It with Pulse | Flag a mistake

# ANSWER KEY

| | | | | | |
|---|---|---|---|---|---|
| **1.** | 50 | **5.** | 5 | **9.** | 25 |
| **2.** | 2 | **6.** | 60 | **10.** | C |
| **3.** | 3 | **7.** | 5 | | |
| **4.** | A | **8.** | 13 | | |

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