NEWFOUNDLAND AND LABRADOR SCIENCE 1206 · UNIT D · 25 QUESTIONS

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 car travels at 40 kilometres per hour for 6 hours. The distance in kilometres is**



A 241

B 240

C 239

D 242

Understand It with Pulse

Flag a mistake

2 **An object travels 45 kilometres in 3 hours. Its speed in kilometres per hour is**

A 15

B 16

C 14

D 17

Understand It with Pulse | Flag a mistake

3 **A race car speeds up from 12 to 32 metres per second in 5 seconds. The acceleration is**



A 5

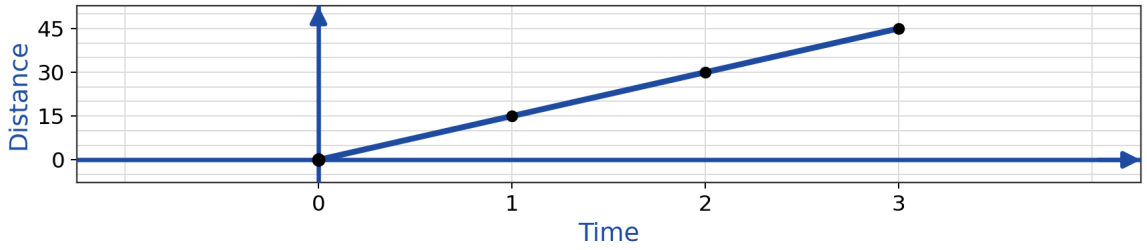
B 3

C 4

D 6

Understand It with Pulse | Flag a mistake

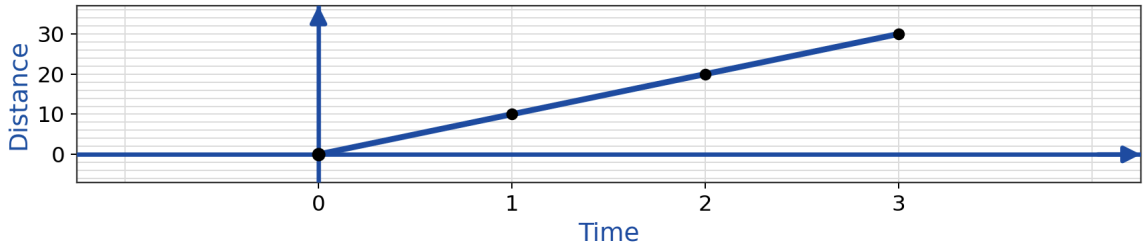
4 **From the graph, the distance at time 2 is**



ANSWER

Understand It with Pulse | Flag a mistake

5 **The graph shows distance over time. At time 2, the distance is**



ANSWER

Understand It with Pulse | Flag a mistake

6 **What is the meaning of acceleration?**

A motion at a constant velocity

B change in velocity ÷ time

C motion with changing velocity

D on a distance time graph the slope gives speed

Understand It with Pulse | Flag a mistake

7 **What is the meaning of displacement?**

A distance travelled ÷ time

B speed in a stated direction

C change in position in a stated direction

D change in velocity ÷ time

Understand It with Pulse | Flag a mistake

8 **What is the meaning of distance?**

A change in position in a stated direction

B how far an object travels

C distance travelled ÷ time

D speed in a stated direction

Understand It with Pulse | Flag a mistake

9 **What is the meaning of force?**

A a force that opposes motion between surfaces

B the force pulling objects toward Earth

C a push or pull on an object

D how far an object travels

Understand It with Pulse | Flag a mistake

10 **What is the meaning of graph slope?**

A on a distance time graph the slope gives speed

B the tendency of an object to keep its motion

C a push or pull on an object

D a force that opposes motion between surfaces

Understand It with Pulse | Flag a mistake

11 **What is the meaning of inertia?**



A a push or pull on an object

B the tendency of an object to keep its motion

C a force that opposes motion between surfaces

D the force pulling objects toward Earth

Understand It with Pulse | Flag a mistake

12 **What is the meaning of nonuniform motion?**

A on a distance time graph the slope gives speed

B the tendency of an object to keep its motion

C a push or pull on an object

D motion with changing velocity

Understand It with Pulse | Flag a mistake

13 **What is the meaning of speed?**

A speed in a stated direction

B change in velocity ÷ time

C motion at a constant velocity

D distance travelled ÷ time

Understand It with Pulse | Flag a mistake

14 **What is the meaning of uniform motion?**



A motion with changing velocity

B on a distance time graph the slope gives speed

C motion at a constant velocity

D the tendency of an object to keep its motion

Understand It with Pulse | Flag a mistake

15 **What is the meaning of velocity?**

A speed in a stated direction

B change in velocity ÷ time

C motion at a constant velocity

D motion with changing velocity

Understand It with Pulse | Flag a mistake

16 **Which term matches this description: a push or pull on an object?**

A friction

B force

C gravity

D distance

Understand It with Pulse | Flag a mistake

17 **Which term matches this description: change in position in a stated direction?**

A speed

B displacement

C velocity

D acceleration

Understand It with Pulse | Flag a mistake

18 **Which term matches this description: change in velocity divided by time?**

A acceleration

B uniform motion

C nonuniform motion

D graph slope

Understand It with Pulse | Flag a mistake

19 **Which term matches this description: distance travelled divided by time?**

A velocity

B acceleration

C speed

D uniform motion

Understand It with Pulse | Flag a mistake

20 **A car travels at 35 kilometres per hour for 5 hours. The distance in kilometres is**



ANSWER

Understand It with Pulse | Flag a mistake

21 An object travels 20 kilometres in 2 hours. Its speed in kilometres per hour is

- A 11
- B 9
- C 12
- D 10

Understand It with Pulse | Flag a mistake

22 Velocity changes from 11 to 23 metres per second in 4 seconds. The acceleration is

ANSWER _____

Understand It with Pulse | Flag a mistake

23 An object travels at 30 kilometres per hour for 4 hours. The distance in kilometres is

ANSWER _____

Understand It with Pulse | Flag a mistake

24 **An object travels 270 kilometres in 6 hours. Its speed in kilometres per hour is**

ANSWER

Understand It with Pulse | Flag a mistake

25 **A race car speeds up from 10 to 16 metres per second in 3 seconds. The acceleration is**



ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. B
2. A
3. C
4. 30
5. 20
6. B
7. C
8. B
9. C
10. A
11. B
12. D
13. D
14. C
15. A
16. B
17. B
18. A
19. C
20. 175
21. D
22. 3
23. 120
24. 45
25. 2

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