NOVA SCOTIA SCIENCE 10 · UNIT C

Motion — Practice Test

Nova Scotia Science 10 • 25 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 car travels 100 metres in 5 seconds. Its speed in metres per second is**



ANSWER

Understand It with Pulse | Flag a mistake

2 **An object travels 240 metres in 4 seconds. Its speed in metres per second is**

ANSWER

Understand It with Pulse | Flag a mistake

3 **An object travels 150 metres in 3 seconds. Its speed in metres per second is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **An object travels 300 metres in 6 seconds. Its speed in metres per second is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **A race car travels 90 metres in 2 seconds. Its speed in metres per second is**



ANSWER _____

Understand It with Pulse | Flag a mistake

6 **An object travels 200 metres in 8 seconds. Its speed in metres per second is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **An object moves at 10 metres per second for 6 seconds. The distance in metres is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **An object moves at 25 metres per second for 4 seconds. The distance in metres is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **An object moves at 15 metres per second for 8 seconds. The distance in metres is**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **A car moves at 20 metres per second for 5 seconds. The distance in metres is**



ANSWER _____

Understand It with Pulse | Flag a mistake

11 **An object moves at 20 metres per second. The time to travel 100 metres in seconds is**

ANSWER _____

Understand It with Pulse | Flag a mistake

12 **An object moves at 30 metres per second. The time to travel 150 metres in seconds is**

ANSWER _____

Understand It with Pulse | Flag a mistake

13 **An object moves at 12 metres per second. The time to travel 60 metres in seconds is**

ANSWER

Understand It with Pulse | Flag a mistake

14 **An object speeds up from 0 metres per second to 20 metres per second in 5 seconds. Its acceleration in metres per second squared is**

ANSWER

Understand It with Pulse | Flag a mistake

15 **A car speeds up from 10 metres per second to 30 metres per second in 4 seconds. Its acceleration in metres per second squared is**



ANSWER

Understand It with Pulse | Flag a mistake

16 **An object speeds up from 0 metres per second to 12 metres per second in 3 seconds. Its acceleration in metres per second squared is**

ANSWER _____

Understand It with Pulse | Flag a mistake

17 **An object speeds up from 5 metres per second to 25 metres per second in 5 seconds. Its acceleration in metres per second squared is**

ANSWER _____

Understand It with Pulse | Flag a mistake

18 **An object starts at 0 metres per second and accelerates at 2 metres per second squared for 5 seconds. Its final speed in metres per second is**

ANSWER _____

Understand It with Pulse | Flag a mistake

19 **An object starts at 10 metres per second and accelerates at 3 metres per second squared for 4 seconds. Its final speed in metres per second is**

ANSWER _____

Understand It with Pulse | Flag a mistake

20 **A train travels 180 metres in 9 seconds. Its speed in metres per second is**



ANSWER _____

Understand It with Pulse | Flag a mistake

21 **An object travels 420 metres in 7 seconds. Its speed in metres per second is**

ANSWER _____

Understand It with Pulse | Flag a mistake

22 **An object travels 500 metres in 10 seconds. Its speed in metres per second is**

ANSWER _____

Understand It with Pulse | Flag a mistake

23 **An object moves at 12 metres per second for 9 seconds. The distance in metres is**

ANSWER _____

Understand It with Pulse | Flag a mistake

24 **An object moves at 18 metres per second for 5 seconds. The distance in metres is**

ANSWER _____

Understand It with Pulse | Flag a mistake

25 **A race car speeds up from 0 metres per second to 30 metres per second in 6 seconds. Its acceleration in metres per second squared is**



ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 20
2. 60
3. 50
4. 50
5. 45
6. 25
7. 60
8. 100
9. 120
10. 100
11. 5
12. 5
13. 5
14. 4
15. 5
16. 4
17. 4
18. 10
19. 22
20. 20
21. 60
22. 50
23. 108
24. 90
25. 5

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