PRINCE EDWARD ISLAND SCIENCE 10 (GENERAL) · UNIT C · 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 **In motion study, which term matches this description: distance divided by time?**

- A speed
- B velocity
- C acceleration
- D distance

Understand It with Pulse | Flag a mistake

2 **In motion study, what is the main purpose or meaning of speed?**

- A distance ÷ time
- B speed in a direction
- C change in velocity over time
- D length of a path travelled

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3 **In motion study, which term matches this description: speed in a direction?**

- A acceleration
- B distance
- C velocity
- D displacement

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4 **In motion study, what is the main purpose or meaning of velocity?**

- A change in velocity over time
- B length of a path travelled
- C straight line change in position
- D speed in a direction

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5 **In motion study, which term matches this description: change in velocity over time?**

A acceleration

B distance

C displacement

D friction

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6 **In motion study, what is the main purpose or meaning of acceleration?**

A length of a path travelled

B change in velocity over time

C straight line change in position

D force resisting motion

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7 **In motion study, which term matches this description: length of a path travelled?**

A displacement

B friction

C distance

D inertia

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8 **In motion study, what is the main purpose or meaning of distance?**

A straight line change in position

B force resisting motion

C resistance to change in motion

D length of a path travelled

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9 **In motion study, which term matches this description: straight line change in position?**

- A displacement
- B friction
- C inertia
- D gravity

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10 **In motion study, what is the main purpose or meaning of displacement?**

- A force resisting motion
- B straight line change in position
- C resistance to change in motion
- D force pulling objects to Earth

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11 **In motion study, which term matches this description: force resisting motion?**

A inertia

B gravity

C friction

D momentum

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12 **In motion study, what is the main purpose or meaning of friction?**

A resistance to change in motion

B force pulling objects to Earth

C mass × velocity

D force resisting motion

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13 **In motion study, which term matches this description: resistance to change in motion?**

A inertia

B gravity

C momentum

D average speed

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14 **In motion study, what is the main purpose or meaning of inertia?**

A force pulling objects to Earth

B resistance to change in motion

C mass × velocity

D total distance over total time

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15 **A motion study display holds 36 items and a second display holds 4 items. The total number of items is**

ANSWER _____

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16 **A motion study collection has 48 items. After 8 items are removed, the number of items left is**

ANSWER _____

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17 **In motion study, 30 notes are shared equally among 5 students. Each student receives**

ANSWER _____

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18 **A motion study project uses 6 groups with 42 cards in each group. The total number of cards is**

ANSWER _____

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19 **A motion study display holds 24 items and a second display holds 3 items. The total number of items is**

ANSWER _____

Understand It with Pulse | Flag a mistake

20 **A motion study collection has 54 items. After 9 items are removed, the number of items left is**

ANSWER _____

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21 **In motion study, 40 notes are shared equally among 5 students. Each student receives**

ANSWER _____

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22 **A motion study project uses 4 groups with 28 cards in each group. The total number of cards is**

ANSWER _____

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23 **A motion study display holds 60 items and a second display holds 6 items. The total number of items is**

ANSWER _____

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24 **A motion study collection has 32 items. After 4 items are removed, the number of items left is**

ANSWER _____

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25 **In motion study, 36 notes are shared equally among 4 students. Each student receives**

ANSWER _____

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ANSWER KEY

1. A
2. A
3. C
4. D
5. A
6. B
7. C
8. D
9. A
10. B
11. C
12. D
13. A
14. B
15. 40
16. 40
17. 6
18. 252
19. 27
20. 45
21. 8
22. 112
23. 66
24. 28
25. 9

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