ENGLAND GCSE PHYSICS OCR TWENTY FIRST CENTURY HIGHER · UNIT 4 · 5 QUESTIONS

Explaining 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 Ferris wheel is at the top. What is the person's height like?**

- A at its greatest
- B at zero
- C at its smallest
- D unchanged

Understand It with Pulse | Flag a mistake

2 **A red race car travels at a steady speed. What is the resultant force on the car?**

- A 1000 N
- B 100 N
- C 500 N
- D 0 N

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3 **What force is needed to accelerate a 5 kg object at 4 m/s squared?**

- A 20 N
- B 10 N
- C 40 N
- D 25 N

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4 **What is the momentum of a 5 kg object moving at 4 m/s?**

- A 10 kg m/s
- B 40 kg m/s
- C 9 kg m/s
- D 20 kg m/s

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5

A 5 kg trolley moves at 3 m/s. What is its momentum?

A 20 kg m/s

B 15 kg m/s

C 7 kg m/s

D 30 kg m/s

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Flag a mistake

ANSWER KEY

1. A
2. D
3. A
4. D
5. B

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