ENGLAND GCSE MATHS OCR HIGHER · UNIT 3 · 5 QUESTIONS

# Algebra, Notation, Vocabulary and Manipulation — 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** **The height of a rocket, in metres, after t seconds is $h = 20t - 5t^2$. When $t = 2$, the height is**

- **A** 15
- **B** 20
- **C** 40
- **D** 25

Understand It with Pulse | Flag a mistake

2 **Give your answer in its simplest form 4a + 5b - a + 5b**

A 3b + 10a

B 3a + 10b

C 5a + 10b

D 3a

Understand It with Pulse | Flag a mistake

3 **Give your answer in its simplest form 2p + 3b + 3p - 2b, where p is the number of paintbrushes and b is the number of hardcover books.**

A 5p + 5b

B 5p + b

C 5p

D b

Understand It with Pulse | Flag a mistake

4 **Factorise 2x + 14**

A 2(x + 7)

B 2(x + 14)

C 2(x - 7)

D x(2 + 7)

Understand It with Pulse | Flag a mistake

5 **If x = 5, the value of $4x^2 - 3$ is**

A 103

B 17

C 137

D 97

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## ANSWER KEY

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

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