ENGLAND GCSE MATHS EDEXCEL HIGHER · UNIT 5 · 5 QUESTIONS

Algebra, Equations and Inequalities — 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 bicycle costs x pounds. After a £20 discount it costs £150. The value of x is**

- A £150
- B £170
- C £130
- D £180

Understand It with Pulse | Flag a mistake

2 **Which inequality is shown by the integers x that satisfy x > 3 and x ≤ 7?**

- **A** $3 < x \leq 7$
- **B** $3 \leq x < 7$
- **C** $3 < x < 7$
- **D** $x > 3$

Understand It with Pulse | Flag a mistake

3 **Solve $x^2 + 2x - 15 = 0$**

- **A** $x = -3$
- **B** $x = -3$ or $x = 5$
- **C** $x = 3$ or $x = -5$
- **D** $x = -3$ or $x = 6$

Understand It with Pulse | Flag a mistake

4 **A number multiplied by 2, plus 3, is 17. What is the number?**

- A 6
- B 7
- C 9
- D 8

Understand It with Pulse | Flag a mistake

5 **Use the quadratic formula to solve $x^2 - 6x + 8 = 0$. Give the larger solution.**

- A $x = 2$
- B $x = 5$
- C $x = 3$
- D $x = 4$

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

© 2026 Brett Robbins. All Rights Reserved.