ENGLAND GCSE MATHS OCR HIGHER · UNIT 5 · 10 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 sandwich costs x pounds. 4 sandwiches cost £24. The value of x is**

- A £5
- B £6
- C £7
- D £24

Understand It with Pulse | Flag a mistake

2 **A tennis ball costs x pounds. A tube of 4 tennis balls costs £8. The value of x is**

- A £1
- B £2
- C £3
- D £8

Understand It with Pulse | Flag a mistake

3 **Two hardcover books and one calculator cost £20. One hardcover book and two calculators cost £19. The cost of one calculator is**

- A £7
- B £8
- C £5
- D £6

Understand It with Pulse | Flag a mistake

4 **A bicycle costs x pounds. After a £20 discount it costs £200. The value of x is**

- A £200
- B £230
- C £180
- D £220

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5 **Solve 6x + 2 = 38**

- A x = 8
- B x = 7
- C x = 6
- D x = 5

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6 **A cup of coffee costs x pounds. 3 cups of coffee cost £6. The value of x is**

- A £2
- B £3
- C £6
- D £1

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7 **A number multiplied by 4, plus 9, is 49. What is the number?**

- A 9
- B 11
- C 12
- D 10

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8 **Solve 3(x + 1) = 30**

A x = 9

B x = 8

C x = 10

D x = 11

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9 **A guitar costs x pounds. Two guitars and a £20 case cost £140. The value of x is**

A £65

B £120

C £55

D £60

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10 **Solve 3x + 9 = x + 15**

A x = 3

B x = 5

C x = 2

D x = 4

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ANSWER KEY

1.	B	**5.**	C	**9.**	D
2.	B	**6.**	A	**10.**	A
3.	D	**7.**	D		
4.	D	**8.**	A		

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