ENGLAND GCSE MATHS OCR FOUNDATION · 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 **Two hardcover books and one calculator cost £13. One hardcover book and two calculators cost £14. The cost of one calculator is**

- A £7
- B £5
- C £4
- D £6

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2 **A cup of coffee costs x pounds. 3 cups of coffee cost £15. The value of x is**

- A £6
- B £15
- C £4
- D £5

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3 **A tennis ball costs x pounds. A tube of 4 tennis balls costs £20. The value of x is**

- A £4
- B £20
- C £6
- D £5

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4 **A guitar costs x pounds. Two guitars and a £20 case cost £100. The value of x is**

- A £80
- B £40
- C £45
- D £35

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5 **Solve 4x + 6 = 14**

- A x = 1
- B x = 2
- C x = 4
- D x = 3

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6 **Solve 6x + 6 = 4x + 18**

A x = 7

B x = 3

C x = 6

D x = 5

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

A £230

B £180

C £220

D £200

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8 **Solve the simultaneous equations x + y = 6, x - y = -4**

A x = 2, y = 5

B x = 1, y = 5

C x = 1, y = 6

D x = 5, y = 1

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9 **Solve 2(x + 6) = 24**

A x = 5

B x = 6

C x = 8

D x = 12

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10 **A sandwich costs x pounds. 4 sandwiches cost £12. The value of x is**

- **A** £2
- **B** £12
- **C** £3
- **D** £4

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ANSWER KEY

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

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