ENGLAND GCSE MATHS EDEXCEL FOUNDATION · UNIT 6 · 10 QUESTIONS

Algebra, Sequences — 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 honeybee visits flowers: 3, 7, 11, 15. The next number is**

- A 15
- B 27
- C 19
- D 23

Understand It with Pulse | Flag a mistake

2 **Nesting dolls decrease in height by 2 cm each time: 24, 22, 20, 18. The next height is**

- A 14
- B 20
- C 18
- D 16

Understand It with Pulse | Flag a mistake

3 **The next two terms of the sequence 6, 11, 16, 21 are**

- A 31, 36
- B 31, 41
- C 21, 26
- D 26, 31

Understand It with Pulse | Flag a mistake

4 **Eggs are packed in trays of 12, 24, 36, 48. The next tray holds**

- A 72
- B 60
- C 48
- D 36

Understand It with Pulse | Flag a mistake

5 **A thermometer records the temperature falling by 2 degrees each hour: 20, 18, 16, 14. The next temperature is**

- A 16
- B 14
- C 10
- D 12

Understand It with Pulse | Flag a mistake

6 **Is 44 a term of the sequence with nth term 5n + 3?**

- A No, it is not a term
- B Yes, it is the 8th term
- C No, it is the first term
- D Yes, it is the 9th term

Understand It with Pulse | Flag a mistake

7 **A sunflower is 10 cm tall. It grows 5 cm each week. Its height after 8 weeks is**

- A 40
- B 45
- C 50
- D 55

Understand It with Pulse | Flag a mistake

8 **The 50th term of the sequence with nth term 7n + 5 is**

- A 362
- B 355
- C 345
- D 348

Understand It with Pulse | Flag a mistake

9 **The next two terms of the sequence 7, 12, 17, 22 are**

A 22, 27

B 32, 37

C 32, 42

D 27, 32

Understand It with Pulse | Flag a mistake

10 **Hardcover books are arranged in piles of 5, 10, 15, 20. The next pile has**

A 25

B 30

C 15

D 20

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

© 2026 Brett Robbins. All Rights Reserved.