ENGLAND GCSE MATHS OCR HIGHER · 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 sunflower is 10 cm tall. It grows 4 cm each week. Its height after 8 weeks is**

- A 38
- B 34
- C 46
- D 42

Understand It with Pulse | Flag a mistake

2 **Eggs are packed in trays of 6, 12, 18, 24. The next tray holds**

- A 30
- B 18
- C 24
- D 36

Understand It with Pulse | Flag a mistake

3 **The next two terms of the sequence 8, 14, 20, 26 are**

A 38, 50

B 26, 32

C 38, 44

D 32, 38

Understand It with Pulse | Flag a mistake

4 **The nth term of the sequence 7, 9, 11, 13 is**

A 2n - 5

B 3n + 5

C 2n + 5

D 5n + 2

Understand It with Pulse | Flag a mistake

5 **Is 37 a term of the sequence with nth term 4n + 4?**

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

Understand It with Pulse | Flag a mistake

6 **A thermometer records the temperature falling by 2 degrees each hour: 26, 24, 22, 20. The next temperature is**

- A 16
- B 22
- C 20
- D 18

Understand It with Pulse | Flag a mistake

7 **Nesting dolls decrease in height by 4 cm each time: 28, 24, 20, 16. The next height is**

- A 20
- B 16
- C 12
- D 8

Understand It with Pulse | Flag a mistake

8 **Hardcover books are arranged in piles of 6, 12, 18, 24. The next pile has**

- A 30
- B 36
- C 24
- D 18

Understand It with Pulse | Flag a mistake

9 **A honeybee visits flowers: 4, 7, 10, 13. The next number is**

- A 22
- B 16
- C 19
- D 13

Understand It with Pulse | Flag a mistake

10 **The 15th term of the sequence with nth term 3n + 3 is**

- A 45
- B 48
- C 51
- D 42

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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