ENGLAND GCSE MATHS OCR 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 **Hardcover books are arranged in piles of 4, 8, 12, 16. The next pile has**

- A 24
- B 12
- C 16
- D 20

Understand It with Pulse | Flag a mistake

2 **A thermometer records the temperature falling by 2 degrees each hour: 24, 22, 20, 18. The next temperature is**

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

Understand It with Pulse | Flag a mistake

3 **The next two terms of the sequence 9, 13, 17, 21 are**

- A 29, 33
- B 25, 29
- C 29, 37
- D 21, 25

Understand It with Pulse | Flag a mistake

4 **Is 52 a term of the sequence with nth term 5n + 2?**

- A Yes, it is the 10th term
- B No, it is not a term
- C Yes, it is the 11th term
- D Yes, it is the 9th term

Understand It with Pulse | Flag a mistake

5 The 10th term of the sequence with nth term 5n + 4 is

- A 46
- B 49
- C 54
- D 59

Understand It with Pulse | Flag a mistake

6 The nth term of the sequence 9, 14, 19, 24 is

- A 5n - 4
- B 5n + 4
- C 4n + 5
- D 6n + 4

Understand It with Pulse | Flag a mistake

7 **A honeybee visits flowers: 3, 5, 7, 9. The next number is**

- A 15
- B 9
- C 13
- D 11

Understand It with Pulse | Flag a mistake

8 **A sunflower is 12 cm tall. It grows 6 cm each week. Its height after 6 weeks is**

- A 42
- B 36
- C 48
- D 54

Understand It with Pulse | Flag a mistake

9 **Nesting dolls decrease in height by 3 cm each time: 24, 21, 18, 15. The next height is**

- A 12
- B 9
- C 15
- D 18

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10 **The next two terms of the sequence 10, 15, 20, 25 are**

- A 30, 35
- B 35, 40
- C 25, 30
- D 35, 45

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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