ARITHMETIC AND GEOMETRIC SEQUENCES AND SERIES - PRACTICE TEST | NEW BRUNSWICK PRE-CALCULUS B 120 · UNIT A · 10 QUESTIONS

Arithmetic and Geometric Sequences and Series — 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 **An arithmetic sequence starts with 5 and has common difference 2. Its 10th term is**

ANSWER _____

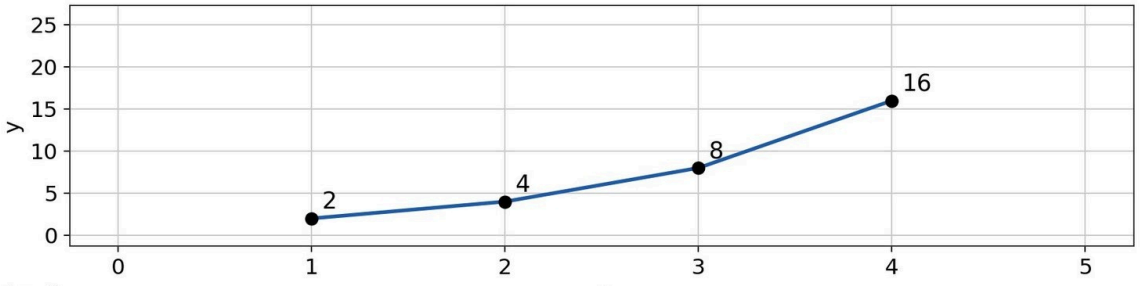
Understand It with Pulse | Flag a mistake

2 **An infinite geometric series starts with 48 and has common ratio 0.5. Its sum is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **The points on the graph show the geometric sequence starting 2, 4, 8, 16. The next term after the last plotted term is**



ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A geometric sequence starts with 3 and has common ratio 2. Its 4th term is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **An arithmetic sequence starts with 10 and has common difference -2. Its 5th term is**

A 2

B 4

C 0

D 3

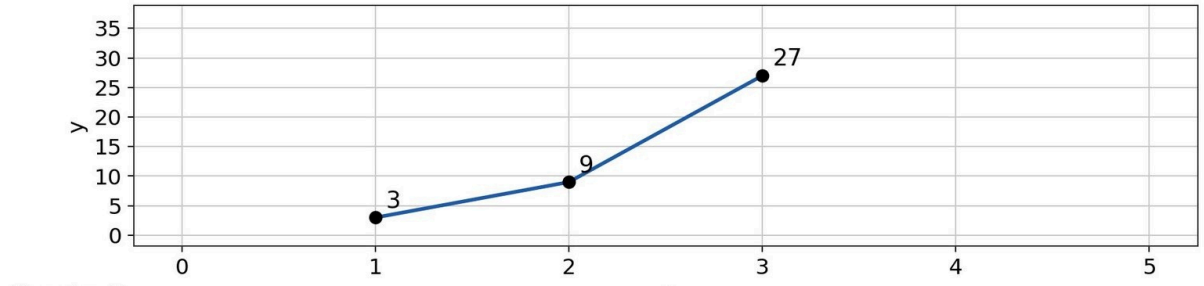
Understand It with Pulse | Flag a mistake

6 **An infinite geometric series starts with 200 and has common ratio 0.25. Its sum is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **The points on the graph show the geometric sequence starting 3, 9, 27. The next term after the last plotted term is**



ANSWER _____

Understand It with Pulse | Flag a mistake

8 **An arithmetic sequence starts with 3 and has common difference 5. Its 5th term is**

A 18

B 23

C 28

D 24

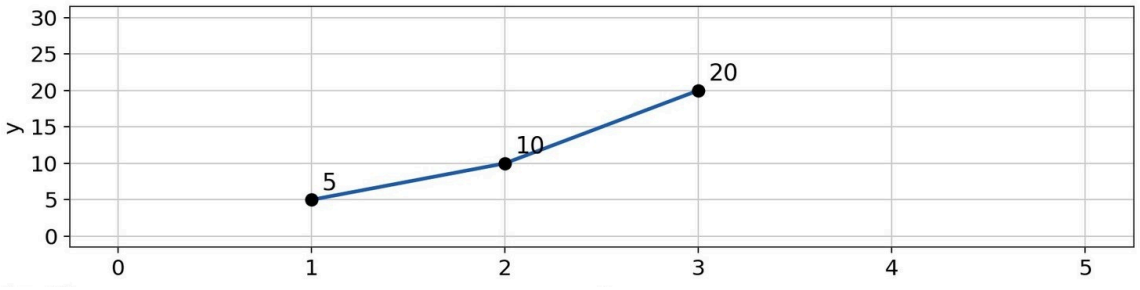
Understand It with Pulse | Flag a mistake

9 **An infinite geometric series starts with 90 and has common ratio 0.3333. Its sum is**

ANSWER

Understand It with Pulse | Flag a mistake

10 **The points on the graph show the geometric sequence starting 5, 10, 20. The next term after the last plotted term is**



ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	23	**5.**	A	**9.**	135
2.	96	**6.**	266.6667	**10.**	40
3.	32	**7.**	81		
4.	24	**8.**	B		

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