Quizizz

NAME : _____

CLASS : _____

DATE : _____

Arithmetic and Geometric Sequences

18 Questions

1. Is this sequence arithmetic, geometric, or neither?
{26, 22, 18, 14, ...}

a) Arithmetic
b) Geometric
c) Neither

2. Is this sequence Arithmetic, Geometric, or Neither?
{2, 9, 7, 14, 12, 19, ... }

a) Arithmetic
b) Geometric
c) Neither

3. What is the common ratio of this sequence?
{2, 10, 50, 250, ... }

a) 1,250
b) 5
c) 10
d) 50

4. Dividing by 12 is the same as ...

a) × 12
b) ÷ 1/12
c) × 1/12
d) + 12

5. What is the common difference in this sequence?
{48, 32, 16, 0, ... }

a) 1/2
b) 2
c) -8
d) -16

LIVEWORKSHEETS

6. Is this sequence Arithmetic, Geometric, or Neither?
{14, 22, 30, 38, .. }

a) Arithmetic
b) Geometric
c) Neither

7. What is the common ratio in this sequence?
{96, 48, 24, 12, ... }

a) 1/2
b) 2
c) 12
d) 24

8. Dividing by 5 is the same as...

a) × 5
b) ÷ 1/5
c) - 5
d) × 1/5

9. What kind of sequence is illustrated below?
400, 200, 100, 50, 25, ...

a) Arithmetic
b) Geometric
c) Neither

10. Which kind of sequence has a common difference?

a) Arithmetic
b) Geometric

11. The individual numbers in a sequences are called...

a) Common difference
b) Successive term
c) Term
d) Geometric term

12. What is the common ratio of the geometric sequence below?
5, 25, 125, 625...

a) 25
b) 20
c) 5
d) 4

LIVEWORKSHEETS

13. What is the common difference of the arithmetic sequence below?
-6, -1, 4, 9...

a) 5
b) -5
c) -6
d) 1/5

14. The next term of the series 11,8,5,2 is...

a) -1
b) -2
c) 1
d) 2

15. What is the common ratio for the sequence:
28, 14, 7, 3.5...

a) 2
b) 1/2
c) -14
d) -7

16. What is the common difference:
-2, -11, -20, -29...

a) Every Number
b) 9
c) -9
d) -2

17. Which sequence is an arithmetic sequence?

a) 3, 6, 2, 7, ...
b) 3, 6, 12, 24, ...
c) 3, 6, 10, 15, ...
d) 3, 7, 11, 15, ...

18. Which sequence is a geometric sequence with a common ratio of 2?

a) 5, 3, 1, -1, ...
b) 5, 7, 9, 11, ...
c) 5, 10, 20, 40, ...
d) 5, 15, 45, 135, ...

LIVEWORKSHEETS