

1-7**Practice: Skills****Sequences HW #2**

Describe the pattern in each sequence and identify the sequence as *arithmetic*, *geometric*, or *neither*.

1. 3, 6, 12, 24, ...

2. 1, 3, 5, 7, ...

3. 1, 2, 6, 24, ...

4. 0, 7, 14, 21, ...

5. 2, 5, 8, 11, ...

6. 5, 15, 45, 135, ...

7. 0.3, 1.5, 7.5, 37.5, ...

8. 1, 10, 100, 1,000, ...

9. 7, 7, 7, 7, ...

10. 0.5, 2, 8, 32, ...

11. 3, 7, 11, 15, ...

12. 9, 18, 36, 72, ...

13. 11, 22, 44, 88, ...

14. 11, 22, 33, 44, ...

Write the next three terms of each sequence.

15. 3, 6, 9, 12, ...

16. 2, 4, 8, 16, ...

17. 7, 10, 13, 16, ...

18. 3, 15, 75, 375, ...

19. 1, 3, 9, 27, ...

20. 7, 12, 17, 22, ...

21. 5, 7, 9, 11, ...

22. 5, 15, 25, 35, ...

23. 21, 42, 63, 84, ...

24. 6, 24, 96, 384, ...

25. 0.5, 1.0, 1.5, 2.0, ...

26. 1.7, 1.9, 2.1, 2.3, ...

27. 0.5, 1.5, 4.5, 13.5, ...

28. 2, 8, 32, 128, ...