

Use inductive reasoning to find the next two terms of each sequence. In each case, identify the pattern that led to your solutions.

Sequence	Pattern Explanation?
1. 1, 10, 100, 1000, _____, _____	
2. 1, 3, 6, 10, 15, 21, _____, _____	
3. 0, 10, 21, 33, 46, 60, _____, _____	
4. 1, 4, 9, 16, 25, 36, _____, _____	
5. W, T, Q, N, K, H, _____, _____	
6. A, 6, c, 12, e, 18, _____, _____	
7. $\frac{1}{2}$, 9, $\frac{2}{3}$, 10, $\frac{3}{4}$, _____, _____	
8. 1, 3, 4, 7, 11, 18, _____, _____	
9. 1, 3, 7, 15, 31, 63, _____, _____	
10. 3, 5, 11, 29, 83, 245, _____, _____	
11. 0, 3, 8, 15, 24, 35, _____, _____	
12. 3, -12, 48, -192, _____, _____	
13. 18, 46, 94, 63, 52, 61, _____, _____	
14. O, T, T, F, F, S, S, E, N, _____, _____	
15. 4, 8, 61, 221, 244, 884, _____, _____	
16. 6, 8, 5, 10, 3, 14, 1, _____, _____	
17. B, 0, C, 2, D, 0, E, 3, F, 3, G, _____, _____	
18. 2, 3, 6, 1, 8, 6, 8, 4, 8, 4, 8, 3, 2, 3, 2, 3, _____, _____	