Recursive Formula – Day 3

Unit 7: Representations of Exponential Relations

Identify the first term of the sequence and the common ratio, and then find the recursive formula.

1. $4, 8, 16, 32, \ldots$	2. $-2.5, -10, -40, -160, \ldots$
3. $-1.5, -6, -24, -96, \ldots$	4. $2, -8, 32, -128, \ldots$
5. $0.5, -1, 2, -4, \ldots$	6. $-3, -9, -27, -81, \ldots$
7. $-2, \frac{2}{3}, -\frac{2}{9}, \frac{2}{27}, \ldots$	8. $2, 4, 8, 16, \ldots$
9. $64, 32, 16, 8, \ldots$	10. $-4, -24, -144, -864, \ldots$

11. $1, -4, 16, -64, \ldots$	12. $-1, -3, -9, -27, \ldots$
13. $-1.25, 5, -20, 80, \ldots$	14. $\frac{3}{2}, -\frac{3}{8}, \frac{3}{32}, -\frac{3}{128}, \ldots$
15. $3, 18, 108, 648, \ldots$	16. $0.4, 2, 10, 50, \ldots$
17. $3, -2, \frac{4}{3}, -\frac{8}{9}, \ldots$	18. $-1, 5, -25, 125, \ldots$
19. $-4, 8, -16, 32, \ldots$	20. $2, -10, 50, -250, \ldots$