

Recursive Formula – Day 2
Unit 7: Representations of Exponential Relations

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

1. $2, -4, 8, -16, \dots$	2. $8, 4, 2, 1, \dots$
3. $-2, 4, -8, 16, \dots$	4. $1, 6, 36, 216, \dots$
5. $2, 12, 72, 432, \dots$	6. $1, 2, 4, 8, \dots$
7. $-4, -12, -36, -108, \dots$	8. $-2, -12, -72, -432, \dots$
9. $4, -12, 36, -108, \dots$	10. $0.6, 3, 15, 75, \dots$

11. $-4, -20, -100, -500, \dots$	12. $-2, -6, -18, -54, \dots$
13. $1, 3, 9, 27, \dots$	14. $31104, -5184, 864, -144, \dots$
15. $0.2, -1, 5, -25, \dots$	16. $-0.2, -1, -5, -25, \dots$
17. $2, 10, 50, 250, \dots$	18. $\frac{1}{2}, -\frac{1}{4}, \frac{1}{8}, -\frac{1}{16}, \dots$
19. $-64, -32, -16, -8, \dots$	20. $3, -18, 108, -648, \dots$