

Recursive Rules

Write the next two numbers in each sequence:

1. 5, 15, 45, 135, ...
2. 4, 12, 36, 108, ...
3. $\frac{1}{7}$, $\frac{3}{7}$, $\frac{9}{7}$, $\frac{27}{7}$, ...
4. 3, 6, 12, 24, ...
5. 5, 10, 20, 40, 80, ...
6. 2.4, 4.8, 9.6, 19.2, ...
7. 4, -12, 36, -108, ...
8. -7, 14, -28, 56, ...
9. 7, -14, 28, -56, ...

After you have determined the next two terms, write the recursive rule for each.