Sequence:
Term:
How to find the next term in a sequence:

Arithmetic:
Geometric:

72, 60, 48, $\qquad$ , $\qquad$ , ...

Common Difference:
4, 8, 16, $\qquad$ , $\qquad$ , $\qquad$ , ... Common Ratio: Recursive:

Find $g_{14}$ :

|  | Explicit | Recursive |
| :--- | :--- | :--- |
| Arithmetic | $a_{n}=a_{0}+d n$ | $a_{0}=$ |
|  | any term | $a_{n}=a_{n-1}+d$ |
|  | $a_{0}=$ term zero <br> $d=$ common difference |  |
| Geometric | $g_{n}=g_{0} \cdot(r)^{n}$ | $g_{0}=$ |
|  | $r=$ common ratio | $g_{n}=g_{n-1} \cdot r$ |
|  |  |  |

