## 3D Geometric Series

Proof:

1. Find the sum of the following Geometric Series:
$2+6+18+54 \ldots$ (for 10 terms)
2. Find the sum of the following Geometric Series:
$1024-512+256-128+\ldots \ldots+1$
3. Find the least value of $n$ such that the sum of the following series exceeds $2,000,000$ :

$$
1+2+4+8 \ldots
$$

