**3D Geometric Series**

Proof:

1. Find the sum of the following Geometric Series:

$2+6+18+54$… (for 10 terms)

1. Find the sum of the following Geometric Series:

$1024-512+256-128+$……$+1$

1. Find the least value of $n$ such that the sum of the following series exceeds 2,000,000:

$$1+2+4+8…$$