

Evaluate: Geometric Series

Evaluate each geometric series.

1) $\sum_{q=1}^{10} (11 \cdot 4^{q-1})$

2) $\sum_{t=1}^{17} (-2)^{t+1}$

3) $\sum_{u=1}^5 (5 \cdot 9^u)$

$\cdot 6^{m-1}$

5) $\sum_{d=1}^6 8^d$

$\cdot 10^{x-1}$

7) $\sum_{f=1}^4 (3\sqrt{7})^{f-1}$

8) $\sum_{v=1}^9 (0.7 \cdot 5^{v+1})$

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