

Evaluate: Geometric Series

Evaluate each geometric series.

1)
$$\sum_{k=1}^{12} (4 \cdot 2^{k-1})$$

2)
$$\sum_{u=1}^{10} (2 \cdot 3^{u+1})$$

3)
$$\sum_{b=1}^{13} (\sqrt{5})^b$$

PREVIEW

$\cdot 8^{p-1}$

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5)
$$\sum_{y=1}^7 \left(\frac{3}{5}\right)^y$$

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7)
$$\sum_{x=1}^9 \left(-\frac{1}{3} \cdot 6^x\right)$$

8)
$$\sum_{h=1}^{11} (0.5 \cdot 2^{h-1})$$