









100 *0.9

100*0.9*0.9*0.9

100*0.9*0.9

100*0.9*0.9*0.9*0.9













Factor out 100:

















































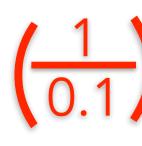






This infinite sum of terms equals:





1,000

∆Spending=

$$100\left(\frac{1}{1-0.9}\right) = 100\left(\frac{1}{0.1}\right)$$
$$= 100 (10)$$

 Δ Spending= 1,000

