

4216

S179

$$a_n = a_1 \cdot k^{n-1}$$

$$\frac{a_n}{a_1} = k^{n-1}$$

$$\lg\left(\frac{a_n}{a_1}\right) = (n-1) \lg k$$

$$\frac{\lg\left(\frac{a_n}{a_1}\right)}{\lg k} = (n-1)$$

$$\frac{\lg\left(\frac{a_n}{a_1}\right)}{\lg k} + 1 = n$$

$n = \text{ordningsnummer}$

OBS $\lg = \log$ på min casio [fx-9950g1]

Fungera också med

$$\frac{\ln\left(\frac{a_n}{a_1}\right)}{\ln k} + 1 = n$$