

2.55
21

$$\left\{ \begin{array}{l} \frac{a_1}{1-q} = \frac{3a_2}{1-q^2} \\ a_3 = 3 \end{array} \right.$$

$$\frac{a_1}{1-q} = \frac{3a_1 q}{(1-q)(1+q)}$$

$$1+q = 3q \rightarrow \boxed{q = \frac{1}{2}}$$

$$3 = a_1 q^2 \rightarrow \boxed{a_1 = 12}$$

0 זכרת התקדמות האינסוף מתבטא
ואיננה היא

$$\frac{a_{2n}}{a_{2n-2}} = q^2 < q < 1$$

" " " " " " " " " " " "