

$$\frac{2.85}{1.1} \quad \left\{ \begin{array}{l} q = \frac{a_1}{1+q} \quad | (*)^2 \\ 13.5 = \frac{a_1 q^2}{1-q^2} \end{array} \right.$$

$$\left\{ \begin{array}{l} 81 = \frac{a_1^2}{(1+q)^2} \\ 13.5 = \frac{a_1^2 q}{(1+q)(1-q)} \end{array} \right.$$

$$6 = \frac{q(1+q)}{1-q}$$

$$6q - 6q^2 = 1+q$$

$$6q^2 - 5q + 1 = 0 \quad \rightarrow \quad q = \frac{1}{3}, \frac{1}{2} \quad \rightarrow \quad a_1 = 6, 4 \frac{1}{2}$$

→ אלה הם המספרים הנכונים

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