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(304)

a_1 a_1q a_1q^2 a_1q^3

$$\begin{cases} a_1 + a_1q^3 = 35 \\ a_1q + a_1q^2 = 30 \end{cases} \rightarrow \begin{cases} 35 = a_1(1+q^3) \\ 30 = a_1q(q+1) \end{cases} \rightarrow \begin{cases} 35 = a_1(1+q)(1-q+q^2) \\ 30 = a_1q(1+q) \end{cases}$$

! סדרה! 15q 15 (1+q+q^2) (1+q)

$$\frac{7}{6} = \frac{1-q+q^2}{q} \rightarrow 7q = 6q^2 - 6q + 6$$

$$6q^2 - 13q + 6 = 0 \rightarrow q = \frac{3}{2}, \frac{2}{3}$$

8, 12, 18, 27 אולי $a_1 = 2$ $q = \frac{3}{2}$ $q = \frac{2}{3}$