

$$\frac{2.63}{\approx 2}$$

$$a_5 = 16$$

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

$$2 - 2q = q \rightarrow \boxed{q = \frac{2}{3}}$$

$$a_1 q^4 = 16 \rightarrow \boxed{a_1 = 81}$$