

Sorok – Számsorok – Összege – Geometriai

1. $\sum_{n=0}^{\infty} \left(\frac{2}{5}\right)^n$, $\sum_{n=0}^{\infty} (-1)^n \frac{2^n}{5^n}$, $\sum_{n=0}^{\infty} \left(\frac{5}{2}\right)^n$.
2. $\sum_{n=0}^{\infty} \frac{3}{4^n}$, $\sum_{n=0}^{\infty} \frac{3}{4^{n+1}}$, $\sum_{n=0}^{\infty} \frac{3}{4^{2n-1}}$.
3. $\sum_{n=1}^{\infty} \frac{e^n}{3^{n+2}}$.
4. $\sum_{n=3}^{\infty} \frac{2^{2n-3}}{3^{n+1}}$.
5. $\sum_{n=1}^{\infty} \frac{2^{n-1}}{4^{2n}} - \sum_{n=2}^{\infty} \frac{5^{n+3}}{3^{2n-1}}$.
6. $\sum_{n=2}^{\infty} \frac{3^{2n+1} - (-5)^{n-1}}{4^{2n+1}}$.
7. $\sum_{n=1}^{\infty} \frac{2^{3n-1} + 4^{2n+1}}{3^{2n-3}}$.

Sorok – Számsorok – Összege – Teleszkopikus

1. $\sum_{n=1}^{\infty} \left(\frac{1}{2n+3} - \frac{1}{2n+1} \right)$.
2. $\sum_{n=2}^{\infty} \frac{1}{n^2 + n}$.
3. $\sum_{n=3}^{\infty} \frac{1}{n^2 - 2n}$.
4. $\sum_{n=2}^{\infty} \frac{1}{n^2 + 3n + 2}$.
5. $\sum_{n=3}^{\infty} \frac{1}{4 - n^2}$.
6. $\sum_{n=1}^{\infty} \frac{1}{4n^2 - 1}$.